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NOAA Technical Memorandum NWS FCST-17

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

National Weather Service May 1970—April 1971 Public Forecast Verification Summary

ROBERT G. DEROUIN AND GERALDINE F. COBB

PENNSYLVANIA STATE UNIVERSITY
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Office of Meteorological Operations
Weather Analysis and Prediction Division
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March 1972

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(Continued on inside back cover)

U.S. DEPARTMENT OF COMMERCE
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NOAA Technical Memorandum NWS FCST-17

NATIONAL WEATHER SERVICE MAY 1970-APRIL 1971 PUBLIC FORECAST VERIFICATION SUMMARY

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Office of Meteorological Operations
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SILVER SPRING, MD.
March 1972

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.24	Statistical analysis
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.5	Forecast verification
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NATIONAL WEATHER SERVICE MAY 1970-APRIL 1971 PUBLIC FORECAST VERIFICATION SUMMARY

Robert G. Derouin and Geraldine F. Cobb

ABSTRACT

Performance scores for May 1970-April 1971 of guidance from the National Meteorological Center (NMC), State forecasts (FPs) from the Weather Service Forecast Offices (WSFOs), and local forecasts from the Weather Service Offices (WSOs) are summarized. The small improvement by succeeding echelons is evident again, and most showed better scores than previous years. NMC had the best resolution for the second and third period precipitation forecasts. All echelons had a small bias of underforecasting temperatures for all periods. It is likely the improvement resulted, in part, from a change in the precipitation criteria in the primitive equation (PE) model, and from the new NMC objective temperature forecasts. Scores for individual stations and FP/NMC areas are provided so that local comparisons can be made in relation to the national level of like scores.

1. INTRODUCTION

A number of changes were made in the annual summary for this year. Philadelphia and Indianapolis became WSFOs while the number of WSOs in the local program decreased nationally. Summer and winter were changed from April-September and October-March to May-October and November-April, respectively, to coincide more closely with the convective and non-convective seasons. To help overcome the dry bias of the PE model, precipitation was allowed to occur at a relative humidity of 90% rather than 100%. This change was made in September 1970 (Technical Procedures Bulletin No. 55, 1970). Finally, NMC temperature guidance was provided entirely by computer forecasts beginning in April 1970 (Klein et al. 1969 and 1971). The rest of the verification program remained the same as two forecasts per day (based on the 0600Z and 1800Z surface maps) for three 12-hour periods (from 1200Z and 0000Z) were verified. These forecasts were stratified according to forecast period, WSFO area, and National Weather Service region. Complete information on the verification program is contained in the 1966 annual summary (Roberts et al. 1967).

2. ANALYSIS OF THE VERIFICATION DATA

The data for 1970-71 were analyzed to try and answer questions such as these:

a. How did scores of individual WSOs (those in the FP and/or local programs) and WSFO/NMC areas (representing 3 to 5

stations averaged together) compare with the overall or national level of like scores?

b. How did the performance of newly established WSFOs compare with older WSFOs?

c. What is the national level (Alaska not included) of skill in present-day precipitation and temperature forecasts?

d. What skill is contributed to the public forecast by each of the forecast echelons?

Stations in each WSFO/NMC area are shown in figure 1, while the measures and statistics of forecast errors are shown in table 1. All scores are summarized in the appendix. In using the scores it should be kept in mind that NMC temperature guidance was for the calendar day minimum and maximum and not, as is the case for precipitation guidance, for standard 12-hour periods. In most of the regions in the conterminous United States, the observed minimum (maximum) temperatures occur (or very nearly occur) in the 0000Z-1200Z (1200Z-0000Z) periods. An exception is the Western Region where many minimum temperatures occur after 1200Z. Thus, the verification of NMC temperatures in this region may show a larger bias than would normally be expected.

3. SCORES WITHIN ECHELONS

Last year's annual report (Derouin et al. 1971) showed detailed plottings of precipitation frequencies versus Brier Scores, and mean absolute temperature errors versus mean 24-hour temperature variabilities for the previous two summer and winter seasons. Quadratic curves given by $\hat{B}=A\ PF(1-PF)$, and regression lines by $\hat{TE}=A0+A1\ TV$ were fit to the precipitation and temperature samples, respectively. By using these plottings and performance data from the appendix, NMC and individual stations could check their skill on a national level. Values above (below) the curves and/or regression lines indicated less (more) than average skill.

This year's report contains similar performance scores. Although plottings are not provided, they can be constructed easily by using the necessary data on pages 16 through 77. Stations are urged to conduct onstation studies using these data and also the data from the last year's report. Such studies, besides showing the relative ranking of the station, could lead to forecast improvement if a bias is found and efforts are made to eliminate it.

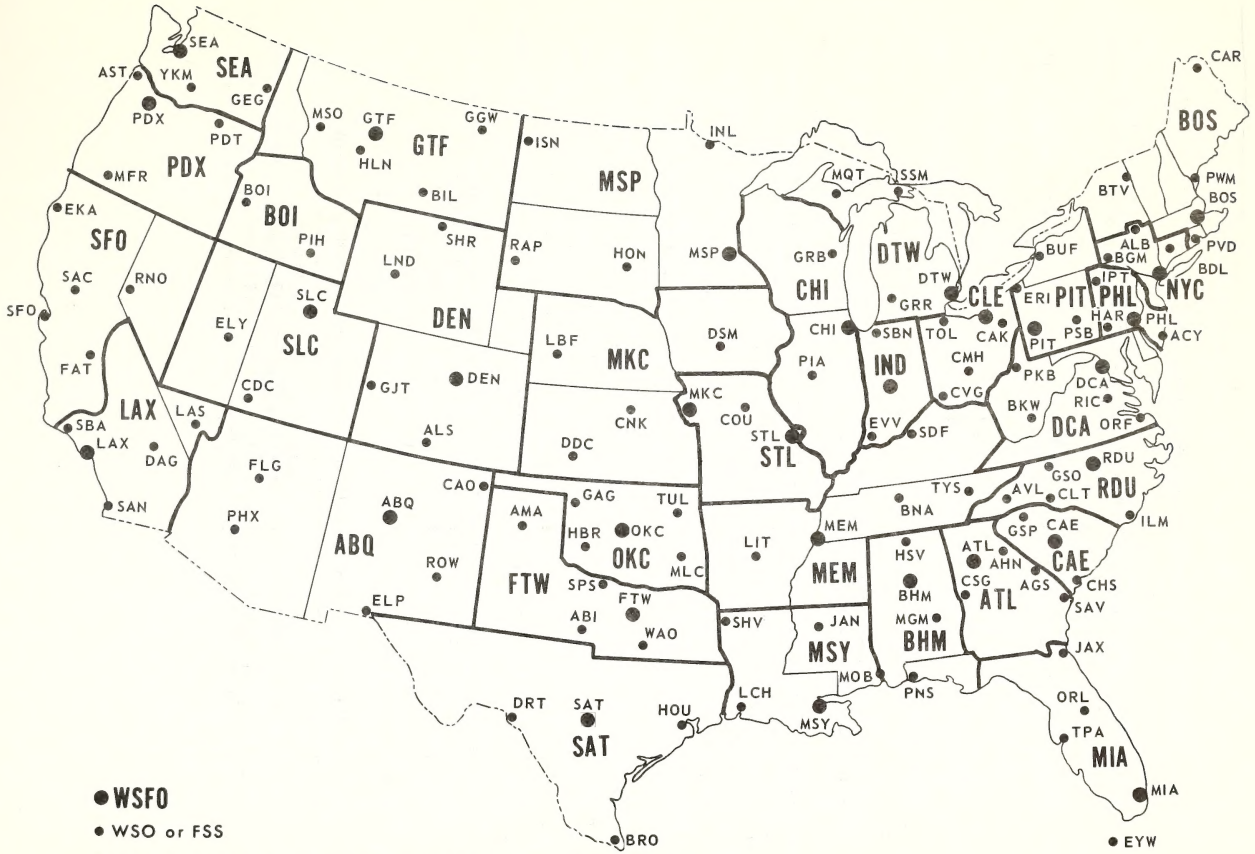

Figure 1.--Stations involved in forecast verification.

Table 1.--Forecast error measures and statistics

Precipitation

1. Relative Precipitation Frequency: $PF = \frac{\text{Total Precipitation Cases}}{\text{Total Forecasts}}$

2. Brier Score: $B = \frac{1}{F} \sum_{i=1}^{F} \left(F_i - O_i \right)^2$, O_i = 0 or 1 and F = total forecasts.

3. Climatological Brier Score: $BC = \frac{1}{F} \sum_{i=1}^{F} \left(C_L - O_i \right)^2$ where C_L is long term climatology.

4. Percent Improvement of Brier Score over Long Term Climatology: $S = \frac{BC - B}{BC} \times 100$

5. Sample Brier Score: $BS = PF (1 - PF)$

6. Percent Improvement of Brier Score over Sample Climatology: $SS = \frac{BS - B}{BS} \times 100$

7. Estimated B for any PF: $\hat{B} = A\ PF (1 - PF)$ where A = quadratic constant estimation given by least square estimate $\frac{\overline{BS\ B}}{\overline{(BS)^2}}$ (a bar represents an average over the sample).

8. Mean Probability of Precipitation: $MP = \frac{1}{P} \sum_{i=1}^{P} F_i^P$ where P = the number of precipitation cases and F_i^P = probability forecast when precipitation was observed.

9. Mean Probability of No Precipitation: $MN = \frac{1}{F-P} \sum_{i=1}^{F-P} F_i^N$ where F_i^N = the probability forecast when precipitation was not observed.

10. Total Percent Correct: $PC = \frac{\text{Number of Correct Forecasts}}{\text{Total Number of Forecasts}}$ using .50 probability as the threshold value.

Table 1. Forecast error measures and statistics--continued

Temperature

1. Mean Absolute Forecast Error: $TE = \frac{1}{N} \sum_{i=1}^{N} \left| T_F - T_O \right|$ where N = number of forecasts.

2. Mean Algebraic Forecast Error: $TG = \frac{1}{N} \sum_{i=1}^{N} \left(T_F - T_O \right)$

3. Mean Absolute 24-Hour Temperature Variability: $TV = \frac{1}{M} \sum_{i=1}^{M} \left| T_O - T_{O+1} \right|$

4. Percent Improvement of Mean Absolute Forecast Error over Mean 24-Hour Temperature Variability: $TC = \frac{TV - TE}{TV} \times 100$

5. Estimated TE for any TV: $\hat{TE} = A0 + A1\ TV$ where A0 and A1 = regression constants.

6. Mean Absolute Forecast Error When TV Exceeds 10 Degrees: TM = sum of mean absolute temperature errors when 24-hour observed temperature changes exceed 10 degrees, divided by the number of such errors.

7. Percent Temperature Errors in Classes:

   T1 = Less than 6 degrees = (number of 0- to 5- degree temperature errors) / (total number of temperature forecasts)

   T2 = 6-10 degrees = (number of 6- to 10- degree temperature errors) / (total number of temperature forecasts)

   T3 = 11-15 degrees = (number of 11- to 15- degree temperature errors) / (total number of temperature forecasts)

   T4 = Greater than 15 degrees = (number of greater-than-15-degree temperature errors) / (total number of temperature forecasts)

4. NATIONAL SCORES BY ECHELONS

4.1 For 1970-71

The 1970-71 scores on a national level (pages 78 through 89 of the appendix) indicate that each succeeding echelon improved slightly over its guidance. An exception was the set of third period forecasts for summer. The results for this year differ little from previous years as the largest improvements occurred in the first period, during winter. Figures 2 and 3 show the echelon performance (using NMC as base) for precipitation and temperature forecasts, respectively. Each echelon made about the same number of forecasts except that NMC made 5% fewer for temperatures. This imbalance occurred because our summary included all FP stations even though a few of them did not receive NMC temperature guidance.

Tables 2 and 3 show that probability forecasts had the poorest resolution during the summer and temperature forecasts the largest bias during the winter. It is interesting to note that 1) succeeding echelon improvement in resolution was evident beyond the first period for dry days only, and 2) that all echelons had a small bias of underforecasting temperatures all periods.

4.2 From 1966 to 1971

The national comparisons of the echelons since 1966 are shown in figures 4 and 5 for the total correct (precipitation and no precipitation) forecasts, and mean absolute temperature errors. Most of the echelons had better scores in 1970-71 than in previous years. (The data for the latter year were for May-April while those for previous years were for April-March. It is felt, however, that this slight discrepancy is not significant when comparing performances on a national level over the five years). It is likely that the improvement for the total correct forecasts was due in part to the change in the precipitation criteria in the PE model. Since temperature forecasts were not affected by this change, the small improvement shown by NMC was probably the result of the new objective temperature scheme.

5. SUMMARY AND CONCLUSIONS

Scores for individual stations and FP/NMC areas have now been provided for three years. Stations are urged to use this sample to compare their performance in relation to national level of like scores. These comparisons could lead to forecast improvement if a bias is found and onstation attempts are made to eliminate it.

The 1970-71 data show, as in previous years, forecast improvement on a national level by succeeding echelons. Probability forecasts had the poorest resolution during the summer, and temperature forecasts the largest bias during the winter. The echelons showed improvement in resolution beyond the first period for dry days only, and had a small bias of underforecasting temperatures all periods. Most of the echelons

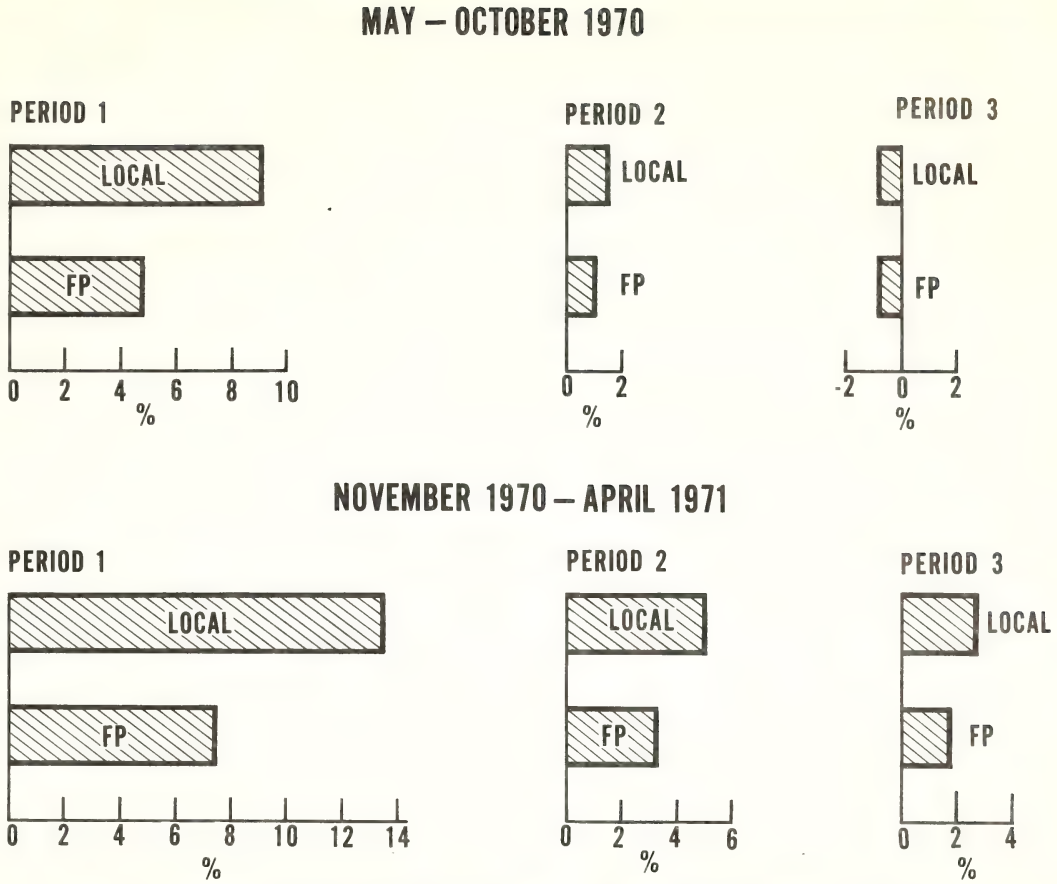

Figure 2.--Difference between echelon and NMC (echelon minus NMC) in percent improvement of Brier Score over Climatological Brier Score. Morning (0600Z) and afternoon (1800Z) forecasts were averaged over the conterminous United States.

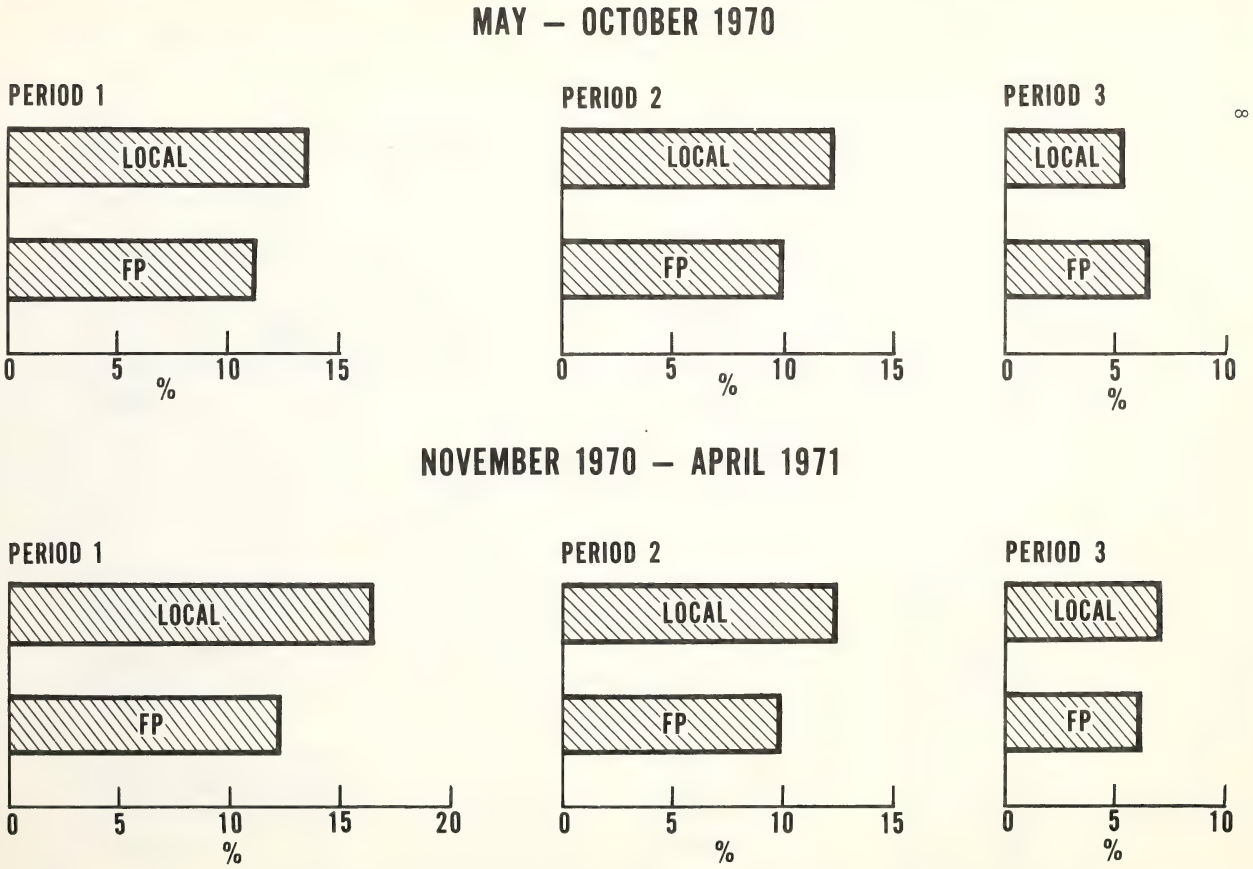

Figure 3.--Difference between echelon and NMC (echelon minus NMC) in percent improvement of mean temperature error over 24-hour temperature variability. Morning (0600Z) and afternoon (1800Z) forecasts were averaged over the conterminous United States.

Table 2.--Mean probability forecasts (%) for days when precipitation was observed and not observed 1970-71. Morning (0600Z) and afternoon (1800Z) forecasts were averaged over the conterminous United States

		May-October				November-April	
		Observed	Not Observed			Observed	Not Observed
	NMC	42.1	16.3		NMC	49.2	15.7
Period 1	FP	43.1	14.0	Period 1	FP	52.9	12.6
	Local	45.6	12.4		Local	57.2	10.7
	NMC	36.2	16.1		NMC	44.3	17.0
Period 2	FP	35.5	14.2	Period 2	FP	44.1	14.0
	Local	35.8	13.0		Local	44.7	12.5
	NMC	31.5	15.5		NMC	39.0	17.0
Period 3	FP	30.0	14.0	Period 3	FP	37.6	14.2
	Local	29.8	12.8		Local	37.9	12.7

Table 3.-- Mean algebraic temperature errors (°F) 1970-71. Morning (0600Z) and afternoon (1800Z) forecasts were averaged over the conterminous United States

		May-October			November-April
	NMC	-0.3		NMC	-0.6
Period 1	FP	-0.3	Period 1	FP	-0.5
	Local	-0.2		Local	-0.6
	NMC	-0.6		NMC	-1.0
Period 2	FP	-0.4	Period 2	FP	-0.7
	Local	-0.2		Local	-0.7
	NMC	-0.7		NMC	-0.7
Period 3	FP	-0.5	Period 3	FP	-0.8
	Local	-0.4		Local	-0.7

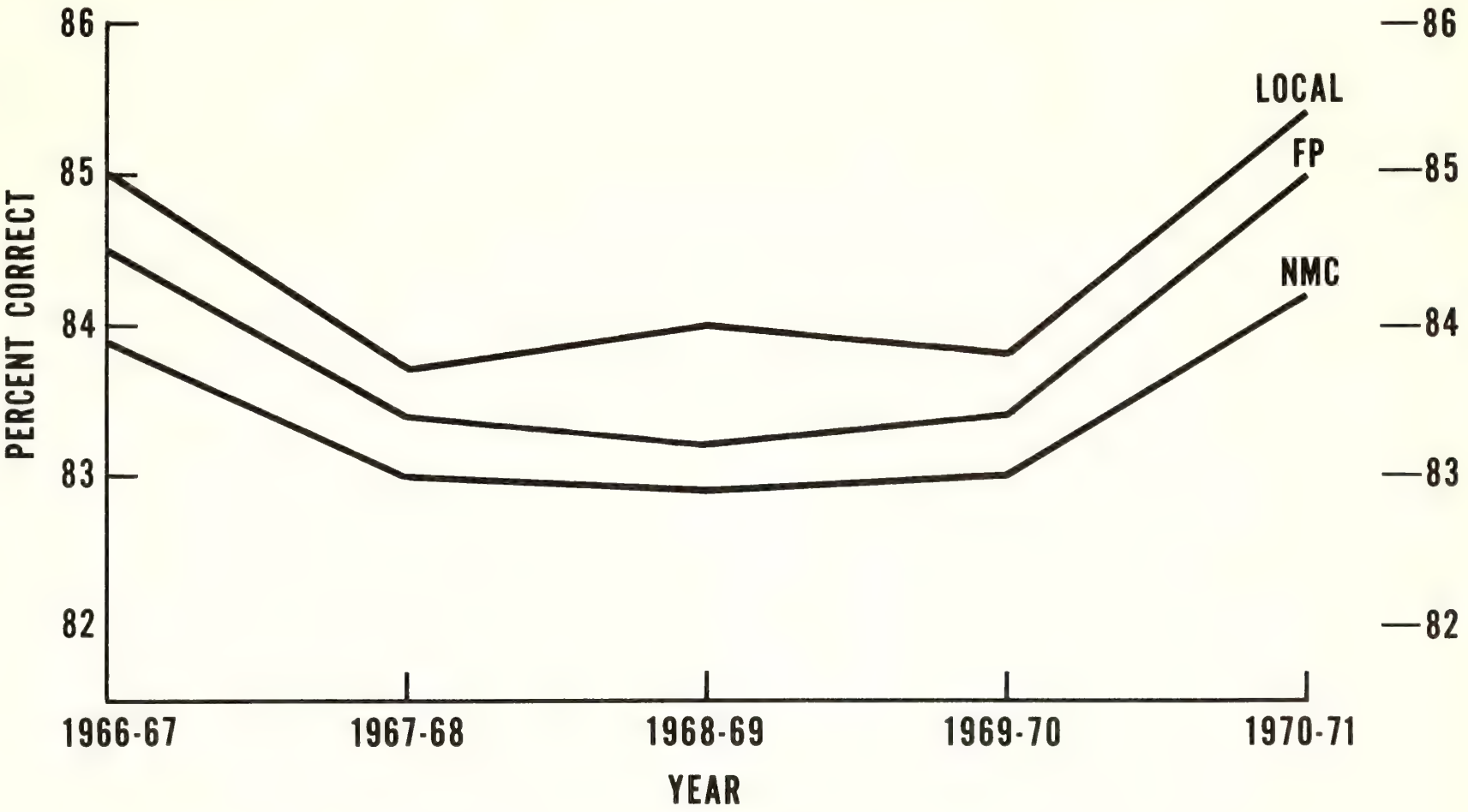

Figure 4.--Total precipitation and no precipitation forecasts correct nationally 1966-71. Morning (0600Z) and afternoon (1800Z) forecasts for all three periods were averaged over the conterminous United States.

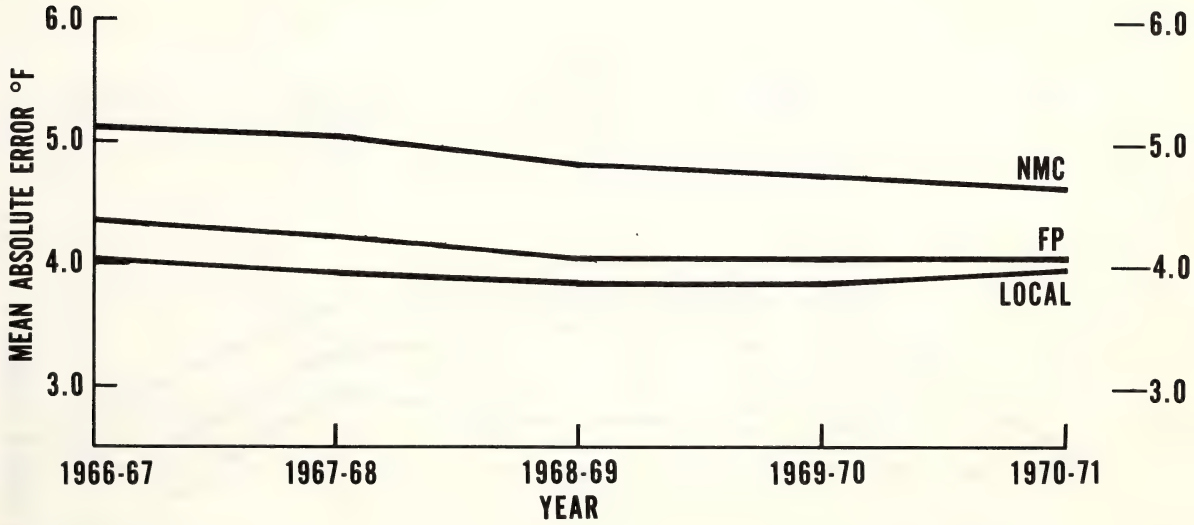

Figure 5.--Mean absolute temperature errors nationally 1966-71. Morning (0600Z) and afternoon (1800Z) forecasts for all three periods were averaged over the conterminous United States.

had better scores than in previous years. It is likely this improvement resulted, in part, from 1) lowering the precipitation criteria in the PE model from 100% to 90% relative humidity and, 2) the new NMC objective temperature forecasts.

6. ACKNOWLEDGMENTS

The authors express their thanks to William H. Klein and Harry R.Glahn of the National Weather Service's Techniques Development Laboratory, and Duane S. Cooley of the National Weather Service's Technical Procedures Branch for reviewing this report. Recognition is also due to Carol A. Peterson and Nora E. Keel for typing the report.

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Klein, W.H., Lewis, F., and Hammons, G.A., "Recent Developments in Automated Max/Min Temperature Forecasting," Journal of Applied Meteorology, Vol. 10, No. 5, October, 1971, pp. 916-920.

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National Weather Service, "Latest Change and Summary of Current Procedures in Precipitation Forecasting in the 6-Layer (PE) Numerical Prediction Model," Its Technical Procedures Bulletin No. 55, Silver Spring, Md., October 1970, 9 pp.

APPENDIX

CONDENSED SUMMARY OF RESULTS

All pages show data for 0600Z and 1800Z for three periods for summer and winter 1970-71.

Pages 16 through 71 summarize the precipitation frequencies, Brier Scores, mean absolute temperature errors, and mean 24-hour temperature variabilities for NMC, WSFOs, WSFO/NMC areas, and WSOs.

Pages 72 through 77 summarize the constants and correlation coefficients for the precipitation quadratic curves and temperature regression lines.

Pages 78 through 89 summarize the echelon verification data on a regional and national (Alaskan Region is not included) level.

NMC PRECIPITATION FORECASTS MAY 1970 - OCT 1970

EASTERN REGION

INDEX NO.	0600Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B	1800Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B
518 ALBANY, NEW YORK	.239	.132	.239	.128	.239	.157	.239	.116	.239	.150	.239	.139
509 BOSTON, MASS.	.178	.106	.217	.152	.183	.140	.217	.136	.183	.134	.222	.156
528 BUFFALO, N. Y.	.293	.148	.255	.150	.299	.168	.255	.135	.299	.148	.255	.147
617 BURLINGTON, VT.	.299	.148	.315	.166	.299	.167	.315	.155	.299	.167	.315	.179
712 CARIBOU, MAINE	.315	.155	.288	.153	.310	.182	.268	.140	.310	.166	.288	.162
208 CHARLESTON, S. C.	.235	.155	.186	.121	.240	.159	.191	.125	.240	.159	.197	.134
314 CHARLOTTE, N. C.	.180	.128	.169	.118	.181	.132	.168	.116	.185	.125	.168	.119
421 CINCINNATI, OHIO	.217	.144	.207	.128	.212	.148	.207	.119	.212	.141	.207	.149
524 CLEVELAND, OHIO	.267	.128	.217	.130	.261	.156	.217	.126	.261	.134	.206	.136
428 COLUMBUS, OHIO	.245	.145	.223	.124	.245	.168	.223	.116	.245	.154	.223	.146
317 GREENSBORO, N. C.	.219	.140	.202	.142	.225	.161	.201	.129	.223	.128	.201	.149
508 HARTFORD, CONN.	.174	.128	.239	.146	.174	.141	.239	.124	.174	.132	.239	.150
503 NEW YORK, N. Y.	.222	.134	.194	.136	.222	.148	.194	.123	.222	.143	.206	.143
308 NORFOLK, VIRGINIA	.152	.098	.130	.100	.152	.109	.130	.097	.152	.105	.130	.104
408 PHILADELPHIA, PA.	.154	.110	.187	.132	.148	.119	.186	.105	.163	.114	.186	.133
520 PITTSBURGH, PA.	.270	.134	.270	.131	.270	.167	.272	.122	.267	.151	.261	.140
606 PORTLAND, MAINE	.179	.114	.212	.144	.179	.125	.212	.123	.179	.125	.212	.147
306 RALEIGH, N. C.	.151	.119	.157	.102	.152	.126	.156	.085	.151	.108	.150	.098
401 RICHMOND, VIRGINIA	.179	.115	.141	.099	.179	.126	.141	.092	.180	.116	.148	.104
405 WASHINGTON, D. C.	.161	.092	.183	.109	.156	.120	.183	.094	.156	.110	.183	.117
514 WILLIAMSPORT, PA.	.231	.112	.231	.136	.231	.143	.239	.122	.239	.119	.231	.129

PF = RELATIVE PRECIPITATION FREQUENCY
B = BRIER SCORE

NMC PRECIPITATION FORECASTS NOV 1970 - APR 1971

EASTERN REGION

INDEX NO.		0600Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B	1800Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B
518	ALBANY, NEW YORK	.283	.127	.261	.135	.278	.158	.260	.111	.282	.141	.260	.151
509	BOSTON, MASS.	.271	.122	.276	.140	.271	.147	.276	.106	.271	.134	.276	.155
528	BUFFALO, N. Y.	.450	.182	.439	.205	.450	.230	.441	.174	.453	.212	.447	.224
617	BURLINGTON, VT.	.365	.165	.337	.170	.365	.191	.337	.146	.355	.164	.337	.174
712	CARIBOU, MAINE	.343	.167	.320	.153	.343	.179	.320	.140	.343	.167	.320	.172
208	CHARLESTON, S. C.	.182	.084	.182	.114	.182	.107	.182	.098	.182	.106	.177	.124
314	CHARLOTTE, N. C.	.210	.073	.177	.122	.210	.105	.177	.093	.210	.093	.177	.140
421	CINCINNATI, OHIO	.188	.120	.227	.117	.188	.136	.227	.116	.133	.131	.227	.124
524	CLEVELAND, OHIO	.331	.166	.320	.177	.337	.203	.320	.146	.337	.131	.320	.188
428	COLUMBUS, OHIO	.260	.134	.232	.137	.260	.163	.232	.117	.260	.157	.227	.139
317	GREENSBORO, N. C.	.221	.083	.227	.114	.215	.111	.227	.090	.215	.104	.227	.124
508	HARTFORD, CONN.	.239	.103	.278	.127	.239	.129	.276	.115	.238	.112	.232	.143
503	NEW YORK, N. Y.	.239	.092	.239	.116	.239	.134	.238	.089	.238	.111	.238	.137
308	NORFOLK, VIRGINIA	.215	.080	.210	.107	.215	.103	.210	.090	.215	.097	.204	.116
408	PHILADELPHIA, PA.	.228	.085	.228	.106	.228	.120	.227	.081	.227	.106	.223	.120
520	PITTSBURGH, PA.	.383	.168	.356	.147	.378	.212	.359	.135	.381	.193	.359	.166
606	PORTLAND, MAINE	.243	.116	.320	.162	.243	.140	.320	.129	.243	.122	.320	.168
306	RALEIGH, N. C.	.227	.070	.182	.106	.221	.113	.182	.093	.221	.100	.182	.109
401	RICHMOND, VIRGINIA	.204	.078	.204	.115	.204	.095	.204	.090	.204	.095	.204	.122
405	WASHINGTON, D. C.	.182	.086	.188	.103	.182	.112	.188	.061	.182	.102	.188	.121
514	WILLIAMSPORT, PA.	.333	.152	.294	.135	.323	.171	.295	.123	.326	.157	.300	.171

PF = RELATIVE PRECIPITATION FREQUENCY
B = BRIER SCORE

NMC PRECIPITATION FORECASTS MAY 1970 - OCT 1970

SOUTHERN REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
365	ALBUQUERQUE, N. M.	.072	.075	.151	.123	.079	.077	.151	.128	.079	.078	.145	.123
363	AMARILLO, TEXAS	.077	.093	.109	.097	.077	.081	.109	.090	.077	.079	.109	.101
311	ATHENS, GEORGIA	.190	.132	.141	.091	.190	.131	.144	.093	.194	.133	.144	.098
219	ATLANTA, GEORGIA	.244	.133	.150	.101	.233	.156	.153	.097	.239	.144	.153	.112
218	AUGUSTA, GEORGIA	.223	.152	.136	.109	.223	.151	.139	.106	.228	.146	.139	.118
228	BIRMINGHAM, ALABAMA	.217	.130	.178	.123	.217	.141	.178	.104	.217	.131	.172	.127
250	BROWNSVILLE, TEXAS	.174	.119	.114	.090	.168	.126	.114	.093	.168	.119	.109	.092
261	DEL RIO, TEXAS	.087	.074	.103	.083	.087	.074	.103	.080	.087	.076	.103	.087
270	EL PASO, TEXAS	.071	.064	.103	.091	.071	.069	.103	.087	.071	.058	.103	.097
259	FORTWORTH, TEXAS	.120	.102	.104	.084	.120	.114	.104	.081	.120	.108	.104	.085
243	HOUSTON, TEXAS	.217	.122	.109	.102	.212	.135	.109	.093	.212	.135	.109	.097
235	JACKSON, MISS.	.234	.135	.158	.114	.230	.158	.158	.106	.234	.153	.152	.116
206	JACKSONVILLE, FLA.	.321	.179	.168	.136	.321	.202	.168	.123	.321	.194	.168	.150
201	KEY WEST, FLORIDA	.283	.202	.245	.187	.283	.207	.245	.186	.283	.208	.240	.184
326	KNOXVILLE, TENNESSEE	.234	.127	.179	.104	.234	.144	.180	.106	.235	.141	.180	.113
240	LAKE CHARLES, LA.	.234	.145	.130	.104	.230	.139	.130	.109	.228	.132	.125	.100
340	LITTLE ROCK, ARK.	.201	.115	.158	.114	.201	.139	.158	.115	.202	.140	.164	.129
423	LOUISVILLE, KENTUCKY	.283	.131	.196	.122	.283	.153	.197	.122	.284	.140	.191	.136
334	MEMPHIS, TENNESSEE	.217	.147	.172	.129	.217	.151	.173	.121	.218	.156	.184	.135
202	MIAMI, FLORIDA	.278	.194	.306	.197	.283	.196	.306	.191	.283	.200	.317	.203
223	MOBILE, ALABAMA	.348	.170	.190	.132	.342	.192	.190	.132	.342	.186	.186	.138
226	MONTGOMERY, ALABAMA	.207	.149	.185	.127	.207	.148	.185	.124	.207	.143	.185	.132
327	NASHVILLE, TENNESSEE	.217	.115	.168	.106	.212	.139	.169	.111	.213	.127	.169	.126
231	NEW ORLEANS, LA.	.333	.190	.161	.113	.330	.185	.161	.105	.328	.190	.144	.105
353	OKLAHOMA CITY, OKLA.	.122	.096	.150	.125	.133	.111	.145	.110	.128	.112	.140	.124
205	ORLANDO, FLORIDA	.310	.188	.098	.111	.310	.197	.098	.113	.310	.193	.098	.107
273	PHOENIX, ARIZONA	.038	.036	.060	.055	.038	.039	.060	.061	.038	.040	.060	.056
253	SAN ANTONIO, TEXAS	.166	.121	.114	.086	.171	.132	.114	.094	.171	.126	.114	.089
248	SHREVEPORT, LA.	.180	.127	.126	.114	.181	.138	.126	.106	.180	.136	.137	.116
211	TAMPA, FLORIDA	.261	.182	.158	.134	.261	.190	.158	.142	.261	.181	.158	.137

PF = RELATIVE PRECIPITATION FREQUENCY
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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
365	ALBUQUERQUE, N. M.	.050	.034	.033	.035	.050	.040	.033	.034	.050	.033	.033	.043
363	AMARILLO, TEXAS	.039	.025	.044	.033	.039	.035	.044	.029	.039	.030	.044	.041
311	ATHENS, GEORGIA	.210	.088	.210	.105	.216	.115	.210	.093	.216	.099	.216	.125
219	ATLANTA, GEORGIA	.238	.097	.249	.118	.238	.117	.249	.107	.238	.108	.243	.141
218	AUGUSTA, GEORGIA	.221	.090	.155	.083	.221	.112	.155	.070	.221	.098	.155	.111
220	BIRMINGHAM, ALABAMA	.243	.104	.266	.123	.243	.136	.265	.112	.244	.121	.267	.144
250	BROWNSVILLE, TEXAS	.066	.059	.055	.061	.066	.066	.055	.058	.066	.066	.055	.069
261	DEL RIO, TEXAS	.028	.031	.033	.023	.028	.035	.033	.033	.028	.035	.033	.036
270	EL PASO, TEXAS	.017	.019	.050	.030	.017	.019	.050	.032	.017	.020	.050	.042
253	FORTWORTH, TEXAS	.088	.044	.077	.064	.088	.066	.077	.056	.088	.063	.077	.065
243	HOUSTON, TEXAS	.116	.073	.050	.096	.116	.086	.050	.064	.116	.086	.050	.065
235	JACKSON, MISS.	.215	.116	.171	.100	.215	.141	.177	.090	.217	.122	.176	.118
206	JACKSONVILLE, FLA.	.138	.082	.099	.072	.138	.088	.099	.066	.133	.084	.099	.083
201	KEY WEST, FLORIDA	.061	.062	.055	.067	.061	.074	.055	.062	.061	.067	.055	.069
326	KNOXVILLE, TENNESSEE	.232	.109	.271	.142	.232	.139	.271	.110	.232	.126	.271	.148
240	LAKE CHARLES, LA.	.138	.088	.077	.088	.138	.097	.077	.087	.138	.101	.077	.087
340	LITTLE ROCK, ARK.	.171	.089	.166	.099	.171	.114	.166	.080	.171	.096	.160	.101
423	LOUISVILLE, KENTUCKY	.133	.093	.227	.111	.133	.123	.227	.116	.133	.104	.227	.125
334	MEMPHIS, TENNESSEE	.133	.094	.221	.132	.133	.131	.221	.108	.133	.112	.221	.123
202	MIAMI, FLORIDA	.072	.073	.066	.080	.072	.082	.066	.071	.072	.081	.066	.072
223	MOBILE, ALABAMA	.166	.109	.171	.109	.166	.126	.171	.106	.166	.118	.171	.124
226	MONTGOMERY, ALABAMA	.204	.097	.215	.110	.204	.123	.215	.099	.204	.106	.215	.121
327	NASHVILLE, TENNESSEE	.182	.100	.227	.104	.182	.116	.227	.100	.182	.111	.227	.110
231	NEW ORLEANS, LA.	.116	.098	.138	.088	.116	.107	.138	.084	.116	.110	.138	.108
353	OKLAHOMA CITY, OKLA.	.083	.051	.083	.066	.077	.053	.083	.066	.077	.049	.088	.060
205	ORLANDO, FLORIDA	.094	.067	.083	.073	.094	.074	.083	.062	.094	.081	.083	.078
273	PHOENIX, ARIZONA	.017	.018	.044	.034	.017	.022	.044	.030	.017	.024	.044	.038
253	SAN ANTONIO, TEXAS	.050	.041	.083	.065	.050	.044	.083	.059	.050	.048	.083	.072
248	SHREVEPORT, LA.	.110	.069	.149	.093	.110	.082	.149	.093	.110	.087	.144	.104
211	TAMPA, FLORIDA	.099	.066	.094	.079	.099	.076	.094	.069	.099	.070	.094	.082

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CENTRAL REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
569	CASPER, WYOMING	.137	.108	.142	.104	.137	.108	.142	.093	.137	.114	.142	.113
534	CHICAGO, ILLINOIS	.239	.123	.200	.132	.233	.148	.200	.129	.233	.131	.200	.149
445	COLUMBIA, MISSOURI	.246	.126	.213	.144	.251	.154	.213	.120	.251	.137	.213	.145
469	DENVER, COLO.	.150	.115	.172	.139	.156	.129	.173	.117	.156	.125	.172	.134
546	DES MOINES, IOWA	.186	.130	.235	.140	.192	.143	.235	.121	.191	.128	.240	.163
537	DETROIT, MICHIGAN	.250	.142	.222	.136	.250	.157	.222	.121	.250	.141	.222	.147
451	DODGE CITY, KANSAS	.136	.101	.158	.119	.137	.112	.158	.107	.136	.100	.158	.130
476	GRAND JUNCTION, COLO	.088	.068	.088	.081	.088	.077	.088	.069	.088	.074	.088	.085
635	GRAND RAPIDS, MICH.	.261	.143	.223	.128	.255	.160	.217	.110	.255	.143	.228	.158
645	GREEN BAY, WISC.	.190	.141	.228	.143	.190	.144	.228	.118	.190	.133	.228	.147
654	HURON, S. DAK.	.185	.122	.179	.159	.190	.139	.179	.126	.190	.134	.185	.154
438	INDIANAPOLIS, IND.	.216	.141	.201	.134	.223	.144	.201	.123	.223	.146	.209	.151
747	INTERNATIONAL FALLS	.239	.160	.196	.138	.245	.168	.196	.136	.245	.167	.197	.153
446	KANSAS CITY, MO.	.213	.121	.213	.142	.213	.141	.213	.127	.213	.126	.213	.147
576	LANDER, WYOMING	.087	.077	.071	.067	.087	.073	.071	.072	.087	.077	.071	.071
658	MINNEAPOLIS, MINN.	.194	.133	.256	.169	.200	.154	.256	.127	.200	.134	.267	.169
562	NORTH PLATTE, NEBR.	.120	.097	.158	.124	.121	.116	.158	.106	.120	.104	.158	.124
532	PEORIA, ILLINOIS	.251	.136	.251	.138	.251	.161	.251	.128	.251	.155	.251	.157
464	PUEBLO, COLORADO	.098	.084	.136	.120	.103	.096	.136	.110	.103	.090	.136	.113
662	RAPID CITY, S. DAK.	.120	.095	.158	.118	.114	.098	.158	.106	.114	.094	.163	.126
734	SAULT STE MARIE	.326	.140	.239	.159	.321	.182	.239	.143	.321	.147	.239	.159
434	ST. LOUIS, MO.	.272	.148	.206	.139	.267	.167	.211	.125	.272	.159	.217	.151
450	WICHITA, KANSAS	.165	.120	.137	.122	.166	.127	.137	.109	.165	.115	.137	.119
767	WILLISTON, N. DAK.	.185	.119	.212	.155	.185	.143	.212	.141	.185	.121	.212	.158

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INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
569	CASPER, WYOMING	.166	.102	.232	.148	.166	.114	.232	.127	.166	.109	.232	.150
534	CHICAGO, ILLINOIS	.222	.131	.223	.147	.222	.157	.228	.144	.222	.162	.233	.164
445	COLUMBIA, MISSOURI	.122	.079	.149	.110	.122	.093	.144	.104	.122	.093	.150	.130
469	DENVER, COLO.	.099	.064	.127	.096	.094	.080	.127	.088	.094	.081	.127	.094
546	DES MOINES, IOWA	.133	.092	.133	.116	.139	.105	.133	.109	.139	.111	.188	.146
537	DETROIT, MICHIGAN	.265	.133	.287	.160	.271	.167	.287	.157	.271	.163	.287	.172
451	DODGE CITY, KANSAS	.088	.074	.083	.060	.089	.083	.083	.057	.088	.076	.085	.075
476	GRAND JUNCTION, COLO	.077	.076	.094	.087	.077	.087	.094	.081	.077	.083	.094	.102
635	GRAND RAPIDS, MICH.	.320	.153	.320	.165	.320	.166	.320	.160	.320	.163	.320	.136
645	GREEN BAY, WISC.	.261	.125	.217	.126	.261	.163	.218	.131	.263	.138	.218	.146
654	HURON, S. DAK.	.144	.115	.116	.092	.138	.116	.116	.091	.138	.118	.114	.096
438	INDIANAPOLIS, IND.	.244	.114	.215	.126	.204	.143	.215	.108	.204	.117	.210	.143
747	INTERNATIONAL FALLS	.193	.128	.238	.142	.193	.147	.238	.114	.193	.144	.238	.145
446	KANSAS CITY, MO.	.116	.086	.144	.080	.122	.083	.093	.070	.123	.083	.096	.092
576	LANDER, WYOMING	.144	.088	.127	.100	.144	.109	.127	.092	.144	.103	.127	.101
658	MINNEAPOLIS, MINN.	.249	.126	.276	.145	.249	.139	.276	.139	.249	.138	.271	.156
562	NORTH PLATTE, NEBR.	.127	.086	.182	.106	.123	.105	.132	.092	.127	.098	.186	.127
532	PEORIA, ILLINOIS	.167	.094	.156	.096	.167	.120	.196	.087	.163	.116	.196	.116
464	PUEBLO, COLORADO	.066	.071	.077	.080	.061	.077	.077	.073	.061	.081	.077	.082
662	RAPID CITY, S. DAK.	.232	.140	.182	.130	.232	.163	.182	.115	.232	.161	.177	.125
734	SAULT STE MARIE	.331	.166	.381	.188	.337	.183	.381	.159	.337	.176	.337	.197
434	ST. LOUIS, MO.	.149	.088	.177	.109	.149	.139	.178	.085	.150	.108	.178	.141
450	WICHITA, KANSAS	.093	.073	.066	.054	.106	.095	.066	.052	.105	.078	.066	.070
767	WILLISTON, N. DAK.	.182	.119	.171	.121	.188	.139	.171	.121	.188	.136	.171	.140

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NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
677	BILLINGS, MONTANA	.125	.105	.168	.130	.125	.108	.168	.116	.125	.108	.168	.130
681	BOISE, IDAHO	.099	.067	.143	.107	.099	.081	.144	.096	.099	.088	.144	.112
486	ELY, NEVADA	.167	.106	.150	.117	.172	.140	.150	.106	.172	.128	.150	.119
594	EUREKA, CALIFORNIA	.071	.044	.082	.047	.071	.052	.082	.048	.071	.056	.082	.063
389	FRESNO, CALIFORNIA	0.000	.005	.016	.015	0.000	.002	.016	.016	0.000	.005	.016	.014
768	GLASGOW, MONTANA	.147	.100	.136	.114	.147	.125	.136	.105	.147	.115	.136	.117
775	GREAT FALLS, MONTANA	.161	.108	.183	.122	.156	.132	.183	.107	.156	.109	.183	.136
772	HELENA, MONTANA	.147	.110	.168	.134	.147	.121	.168	.119	.147	.115	.168	.134
386	LAS VEGAS, NEVADA	.027	.025	.022	.023	.027	.029	.022	.027	.027	.032	.022	.022
295	LOS ANGELES, CALIF.	.017	.016	0.000	.002	.017	.016	0.000	.004	.017	.018	0.000	.002
597	MEDFORD, OREGON	.076	.042	.092	.065	.076	.055	.093	.065	.077	.057	.093	.072
773	MISSOULA, MONTANA	.201	.131	.174	.127	.201	.139	.174	.112	.201	.130	.174	.135
688	PENDLETON, OREGON	.104	.071	.126	.094	.104	.086	.126	.083	.099	.077	.132	.102
578	POCATELLO, IDAHO	.126	.101	.148	.123	.126	.112	.150	.112	.122	.113	.148	.124
698	PORTLAND, OREGON	.156	.082	.139	.084	.156	.101	.140	.086	.151	.088	.140	.095
488	RENO, NEVADA	.038	.028	.049	.052	.038	.034	.049	.052	.038	.039	.049	.053
483	SACRAMENTO, CALIF.	.022	.018	.022	.019	.022	.019	.022	.016	.022	.023	.022	.021
572	SALT LAKE CITY, UTAH	.153	.078	.147	.113	.153	.106	.147	.104	.153	.107	.147	.124
290	SAN DIEGO, CALIF.	.016	.014	0.000	.001	.016	.014	0.000	.004	.016	.014	0.000	.001
494	SAN FRANCISCO, CALIF	.033	.023	.017	.015	.033	.026	.017	.011	.034	.031	.017	.018
793	SEATTLE, WASHINGTON	.180	.087	.175	.123	.180	.127	.170	.115	.176	.111	.167	.131
785	SPOKANE, WASHINGTON	.098	.077	.125	.096	.098	.086	.126	.086	.093	.079	.127	.099
781	YAKIMA, WASHINGTON	.027	.048	.038	.054	.033	.047	.033	.052	.033	.047	.033	.051

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INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
677	BILLINGS, MONTANA	.210	.140	.199	.161	.210	.156	.199	.138	.210	.138	.199	.167
681	BOISE, IDAHO	.257	.133	.285	.163	.257	.167	.285	.153	.257	.155	.285	.184
486	ELY, NEVADA	.144	.094	.156	.105	.144	.114	.156	.090	.144	.100	.156	.103
534	EUREKA, CALIFORNIA	.450	.123	.411	.137	.450	.183	.411	.137	.450	.163	.411	.179
383	FRESNO, CALIFORNIA	.116	.081	.155	.084	.116	.063	.155	.074	.116	.104	.155	.111
768	GLASGOW, MONTANA	.204	.137	.204	.157	.204	.149	.204	.149	.204	.148	.204	.170
775	GREAT FALLS, MONTANA	.210	.138	.238	.182	.210	.169	.238	.155	.210	.159	.235	.180
772	HELENA, MONTANA	.160	.137	.193	.163	.160	.153	.193	.140	.160	.157	.193	.165
386	LAS VEGAS, NEVADA	.028	.028	.017	.022	.028	.027	.017	.019	.028	.029	.017	.022
295	LOS ANGELES, CALIF.	.117	.060	.094	.061	.117	.075	.089	.044	.112	.031	.095	.077
597	MEDFORD, OREGON	.354	.159	.287	.169	.354	.187	.289	.159	.359	.168	.283	.174
773	MISSOULA, MONTANA	.293	.176	.359	.213	.293	.193	.359	.133	.233	.137	.359	.241
633	PENDLETON, OREGON	.193	.161	.254	.166	.193	.177	.256	.153	.200	.172	.250	.184
578	POCATELLO, IDAHO	.256	.150	.317	.170	.256	.168	.317	.154	.256	.155	.317	.193
638	PORTLAND, OREGON	.547	.167	.470	.173	.547	.211	.467	.145	.544	.213	.467	.190
438	RENO, NEVADA	.138	.100	.138	.129	.138	.102	.133	.112	.144	.111	.133	.104
493	SACRAMENTO, CALIF.	.132	.103	.221	.116	.182	.112	.221	.115	.182	.121	.227	.133
572	SALT LAKE CITY, UTAH	.232	.138	.232	.155	.232	.165	.232	.141	.232	.157	.232	.154
290	SAN DIEGO, CALIF.	.088	.054	.094	.064	.088	.065	.089	.048	.094	.062	.094	.080
494	SAN FRANCISCO, CALIF	.232	.097	.199	.104	.232	.129	.199	.105	.232	.126	.204	.127
793	SEATTLE, WASHINGTON	.506	.151	.522	.173	.506	.135	.517	.162	.500	.168	.541	.133
785	SPOKANE, WASHINGTON	.281	.170	.281	.166	.281	.195	.278	.151	.278	.188	.278	.194
781	YAKIMA, WASHINGTON	.174	.148	.169	.159	.174	.164	.167	.149	.167	.161	.167	.159

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B = BRIER SCORE

NMC AREA PRECIPITATION FORECASTS MAY 1970 - OCT 1970

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
509	BOSTON,MASS.	.243	.131	.258	.154	.243	.154	.258	.138	.243	.148	.260	.161
524	CLEVELAND, OHIO	.243	.139	.215	.127	.239	.157	.215	.120	.239	.143	.212	.144
310	COLUMBIA, S.C.	.235	.155	.186	.121	.240	.159	.191	.125	.240	.159	.197	.134
503	NEW YORK, N.Y.	.206	.128	.231	.141	.206	.145	.231	.123	.206	.138	.234	.148
408	PHILADELPHIA, PA.	.182	.110	.166	.115	.177	.127	.169	.097	.186	.115	.165	.111
520	PITTSBURGH, PA.	.202	.141	.262	.141	.205	.167	.264	.129	.283	.150	.258	.144
306	RALEIGH, N.C.	.183	.129	.176	.121	.186	.140	.176	.110	.186	.121	.173	.122
405	WASHINGTON, D.C.	.164	.102	.151	.103	.162	.118	.151	.094	.163	.110	.154	.109
365	ALBUQUERQUE, N.M.	.054	.054	.101	.086	.057	.056	.101	.091	.057	.057	.099	.087
219	ATLANTA,GA.	.219	.139	.142	.100	.215	.146	.146	.099	.220	.141	.146	.109
228	BIRMINGHAM,ALA.	.257	.150	.184	.127	.255	.161	.184	.120	.255	.154	.181	.132
259	FORTWORTH, TEX.	.098	.097	.107	.090	.098	.098	.107	.085	.098	.094	.107	.093
334	MEMPHIS,TENN.	.230	.127	.175	.115	.229	.145	.176	.115	.231	.140	.178	.128
202	MIAMI, FLA.	.290	.189	.194	.153	.291	.199	.194	.151	.291	.195	.196	.156
231	NEW ORLEANS, LA.	.245	.149	.144	.111	.242	.155	.144	.107	.242	.153	.140	.109
353	OKLAHOMA CITY, OKLA.	.122	.096	.150	.125	.133	.111	.145	.110	.126	.112	.140	.124
253	SAN ANTONIO, TEX.	.143	.100	.109	.090	.142	.107	.109	.089	.142	.103	.108	.092
534	CHICAGO, ILL.	.227	.135	.228	.138	.225	.150	.228	.126	.225	.140	.228	.152
469	DENVER, COLO.	.112	.090	.122	.102	.114	.096	.122	.092	.114	.096	.122	.103
537	DETROIT,MICH.	.279	.142	.228	.141	.276	.167	.226	.125	.276	.144	.230	.155
438	INDIANAPOLIS, IND.	.211	.136	.178	.130	.222	.148	.178	.117	.222	.148	.189	.145
446	KANSAS CITY, MO.	.152	.112	.172	.126	.154	.124	.172	.111	.153	.112	.173	.134
658	MINNEAPOLIS, MINN.	.184	.126	.200	.148	.187	.140	.200	.127	.187	.130	.204	.152
434	ST. LOUIS, MO.	.244	.132	.211	.142	.244	.154	.212	.124	.245	.140	.214	.148
681	BOISE, IDAHO	.095	.070	.128	.104	.095	.080	.130	.096	.092	.086	.129	.105
775	GREAT FALLS,MONT.	.156	.111	.166	.125	.155	.125	.166	.112	.155	.115	.166	.131
295	LOS ANGELES, CALIF.	.020	.018	.007	.009	.020	.020	.007	.012	.020	.021	.007	.008
698	PORTLAND, ORE.	.112	.065	.119	.081	.112	.080	.119	.078	.108	.074	.121	.090
572	SALT LAKE CITY, UT.	.157	.098	.157	.121	.159	.125	.157	.109	.159	.121	.157	.127
494	SAN FRANCISCO, CALIF	.033	.024	.037	.030	.033	.027	.038	.029	.033	.031	.038	.034
793	SEATTLE, WASH.	.102	.071	.113	.091	.104	.087	.110	.084	.101	.079	.109	.094

PF = RELATIVE PRECIPITATION FREQUENCY
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NMC AREA PRECIPITATION FORECASTS NOV 1970 - APR 1971

INDEX NO.		0600Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B	1800Z SCORES 1ST PERIOD PF	1ST PERIOD B	2ND PERIOD PF	2ND PERIOD B	3RD PERIOD PF	3RD PERIOD B
509	BOSTON,MASS.	.305	.142	.314	.157	.305	.164	.314	.130	.305	.147	.314	.157
524	CLEVELAND, OHIO	.260	.140	.260	.143	.262	.167	.260	.124	.262	.160	.253	.150
310	COLUMBIA, S.C.	.132	.084	.132	.114	.182	.107	.182	.098	.182	.106	.177	.124
503	NEW YORK, N.Y.	.254	.107	.259	.126	.252	.141	.258	.105	.252	.122	.260	.146
408	PHILADELPHIA, PA.	.281	.118	.261	.121	.278	.146	.260	.102	.276	.131	.264	.145
520	PITTSBURGH, PA.	.417	.175	.397	.176	.414	.221	.400	.154	.417	.202	.403	.135
306	RALEIGH, N.C.	.213	.075	.195	.114	.215	.110	.195	.090	.215	.099	.195	.124
405	WASHINGTON, D.C.	.201	.081	.201	.108	.201	.103	.201	.087	.201	.098	.199	.120
365	ALBUQUERQUE, N.M.	.033	.026	.041	.035	.033	.031	.041	.032	.033	.031	.041	.040
219	ATLANTA,GA.	.223	.092	.204	.104	.223	.115	.204	.090	.223	.102	.203	.126
228	BIRMINGHAM,ALA.	.204	.103	.217	.116	.204	.123	.217	.106	.205	.115	.218	.130
259	FORTWORTH, TEX.	.064	.035	.061	.048	.064	.051	.061	.042	.064	.047	.061	.053
334	MEMPHIS,TENN.	.197	.097	.222	.113	.197	.123	.222	.103	.197	.110	.221	.121
202	MIAMI, FLA.	.093	.071	.080	.074	.093	.079	.080	.066	.093	.076	.080	.077
231	NEW ORLEANS, LA.	.145	.093	.134	.094	.145	.107	.135	.089	.145	.105	.133	.104
353	OKLAHOMA CITY, OKLA.	.083	.051	.083	.066	.077	.053	.083	.066	.077	.049	.088	.080
253	SAN ANTONIO, TEX.	.055	.045	.054	.050	.055	.051	.054	.049	.055	.051	.054	.057
534	CHICAGO, ILL.	.217	.117	.200	.123	.217	.147	.201	.121	.217	.139	.203	.142
469	DENVER, COLO.	.110	.080	.131	.102	.103	.093	.131	.092	.108	.091	.131	.106
537	DETROIT,MICH.	.306	.151	.330	.171	.309	.172	.330	.159	.309	.167	.331	.185
438	INDIANAPOLIS, IND.	.204	.114	.215	.126	.204	.143	.215	.108	.204	.117	.210	.143
446	KANSAS CITY, MO.	.112	.083	.130	.084	.115	.096	.130	.077	.115	.091	.130	.099
658	MINNEAPOLIS, MINN.	.200	.126	.197	.126	.200	.145	.197	.116	.200	.133	.196	.132
434	ST. LOUIS, MO.	.129	.084	.144	.100	.131	.097	.141	.087	.132	.098	.143	.122
681	BOISE, IDAHO	.287	.146	.328	.169	.235	.172	.326	.153	.233	.161	.324	.135
775	GREAT FALLS,MONT.	.215	.146	.233	.177	.215	.166	.233	.155	.215	.160	.233	.179
295	LOS ANGELES, CALIF.	.077	.047	.068	.049	.077	.056	.065	.037	.075	.057	.069	.060
638	PORTLAND, ORE.	.350	.161	.318	.168	.352	.189	.320	.150	.351	.180	.318	.179
572	SALT LAKE CITY, UT.	.184	.116	.191	.130	.184	.137	.191	.111	.134	.126	.183	.128
434	SAN FRANCISCO, CALIF	.224	.102	.225	.115	.224	.123	.225	.110	.225	.125	.228	.133
733	SEATTLE, WASH.	.320	.156	.324	.168	.320	.181	.320	.154	.315	.173	.319	.184

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WSFO PRECIPITATION FORECASTS MAY 1970 - OCT 1970

EASTERN REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
518	ALBANY, NEW YORK	.239	.140	.239	.138	.239	.171	.239	.132	.239	.160	.239	.153
509	BOSTON, MASS.	.178	.108	.217	.142	.183	.157	.217	.122	.183	.132	.222	.160
528	BUFFALO, N. Y.	.293	.150	.255	.145	.299	.185	.255	.138	.299	.162	.255	.167
617	BURLINGTON, VT.	.299	.144	.315	.181	.299	.170	.315	.163	.299	.152	.315	.209
712	CARIBOU, MAINE	.315	.143	.288	.160	.310	.187	.288	.147	.310	.179	.288	.184
208	CHARLESTON, S. C.	.239	.148	.190	.124	.239	.158	.190	.117	.239	.150	.196	.135
314	CHARLOTTE, N. C.	.185	.127	.168	.108	.185	.128	.168	.104	.185	.125	.168	.122
421	CINCINNATI, OHIO	.217	.137	.207	.124	.212	.155	.207	.097	.212	.145	.207	.127
524	CLEVELAND, OHIO	.267	.124	.217	.123	.261	.155	.217	.103	.261	.135	.206	.130
428	COLUMBUS, OHIO	.245	.149	.223	.120	.245	.177	.223	.105	.245	.152	.223	.132
317	GREENSBORO, N. C.	.217	.128	.201	.129	.223	.146	.201	.121	.223	.142	.201	.143
508	HARTFORD, CONN.	.174	.117	.239	.145	.174	.140	.239	.146	.174	.150	.239	.164
503	NEW YORK, N. Y.	.222	.129	.194	.140	.222	.155	.194	.109	.222	.155	.206	.153
308	NORFOLK, VIRGINIA	.152	.090	.130	.102	.152	.108	.130	.099	.153	.103	.130	.103
408	PHILADELPHIA, PA.	.153	.103	.186	.132	.153	.124	.186	.103	.153	.111	.186	.136
520	PITTSBURGH, PA.	.267	.129	.272	.125	.267	.162	.272	.119	.267	.146	.261	.152
606	PORTLAND, MAINE	.179	.123	.212	.146	.179	.139	.212	.116	.179	.129	.212	.142
306	RALEIGH, N. C.	.150	.109	.156	.080	.151	.114	.156	.087	.151	.106	.150	.089
401	RICHMOND, VIRGINIA	.179	.106	.141	.101	.179	.121	.141	.086	.180	.114	.148	.098
405	WASHINGTON, D. C.	.161	.088	.183	.112	.156	.114	.183	.083	.156	.104	.183	.115
514	WILLIAMSPORT, PA.	.228	.112	.239	.135	.239	.146	.239	.109	.239	.140	.239	.161

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EASTERN REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
518	ALBANY, NEW YORK	.278	.123	.260	.122	.282	.157	.260	.111	.282	.146	.260	.148
509	BOSTON, MASS.	.271	.102	.276	.127	.271	.131	.276	.105	.271	.119	.276	.156
528	BUFFALO, N. Y.	.453	.163	.439	.203	.456	.238	.442	.177	.453	.225	.442	.222
617	BURLINGTON, VT.	.365	.148	.337	.162	.365	.193	.337	.132	.365	.177	.337	.189
712	CARIBOU, MAINE	.343	.160	.320	.151	.343	.176	.320	.144	.343	.136	.320	.131
204	CHARLESTON, S. C.	.182	.081	.182	.114	.182	.110	.182	.085	.182	.104	.177	.121
314	CHARLOTTE, N. C.	.210	.072	.177	.130	.210	.113	.177	.101	.210	.099	.177	.130
421	CINCINNATI, OHIO	.188	.108	.227	.114	.188	.134	.227	.095	.198	.122	.227	.134
524	CLEVELAND, OHIO	.331	.142	.320	.167	.337	.198	.320	.138	.337	.179	.320	.196
428	COLUMBUS, OHIO	.260	.122	.232	.121	.260	.162	.233	.101	.260	.151	.227	.147
317	GREENSBORO, N. C.	.221	.081	.227	.127	.215	.128	.227	.110	.215	.109	.227	.130
508	HARTFORD, CONN.	.233	.105	.276	.129	.238	.122	.276	.109	.238	.118	.232	.153
503	NEW YORK, N. Y.	.239	.087	.238	.113	.238	.120	.238	.079	.238	.106	.238	.124
308	NORFOLK, VIRGINIA	.215	.076	.210	.093	.215	.036	.210	.034	.215	.035	.204	.120
403	PHILADELPHIA, PA.	.227	.074	.227	.031	.227	.106	.227	.068	.227	.038	.227	.104
520	PITTSBURGH, PA.	.383	.167	.359	.138	.381	.204	.359	.130	.381	.136	.359	.168
606	PORTLAND, MAINE	.243	.097	.320	.146	.243	.133	.320	.119	.243	.124	.320	.179
306	RALEIGH, N. C.	.227	.071	.182	.109	.221	.119	.182	.035	.221	.101	.182	.109
401	RICHMOND, VIRGINIA	.204	.072	.204	.103	.204	.036	.204	.081	.204	.087	.204	.124
405	WASHINGTON, D. C.	.182	.081	.188	.096	.182	.106	.188	.096	.182	.104	.188	.117
514	WILLIAMSPORT, PA.	.331	.146	.293	.139	.326	.168	.293	.121	.326	.159	.298	.161

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WSFO PRECIPITATION FORECASTS MAY 1970 - OCT 1970

SOUTHERN REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
365	ALBUQUERQUE, N. M.	.072	.068	.151	.113	.079	.075	.151	.103	.079	.073	.145	.108
363	AMARILLO, TEXAS	.077	.069	.109	.085	.077	.078	.109	.090	.077	.076	.109	.091
311	ATHENS, GEORGIA	.190	.113	.141	.083	.190	.131	.143	.089	.192	.128	.143	.097
219	ATLANTA, GEORGIA	.244	.116	.150	.092	.233	.147	.152	.093	.236	.145	.152	.115
218	AUGUSTA, GEORGIA	.223	.144	.136	.105	.223	.152	.137	.090	.225	.147	.137	.107
228	BIRMINGHAM, ALABAMA	.217	.117	.178	.119	.217	.141	.178	.101	.217	.122	.172	.114
250	BROWNSVILLE, TEXAS	.174	.109	.114	.092	.168	.129	.114	.092	.168	.125	.109	.081
261	DEL RIO, TEXAS	.087	.059	.103	.075	.087	.076	.103	.066	.087	.072	.103	.085
270	EL PASO, TEXAS	.071	.065	.103	.092	.071	.068	.103	.091	.071	.062	.103	.093
259	FORTWORTH, TEXAS	.120	.088	.104	.079	.120	.107	.104	.060	.120	.100	.104	.081
243	HOUSTON, TEXAS	.217	.143	.109	.094	.212	.143	.109	.089	.212	.138	.109	.095
235	JACKSON, MISS.	.234	.139	.158	.112	.234	.170	.158	.098	.234	.155	.152	.123
206	JACKSONVILLE, FLA.	.321	.194	.168	.143	.321	.216	.168	.114	.321	.201	.168	.151
201	KEY WEST, FLORIDA	.263	.160	.245	.184	.263	.201	.245	.182	.263	.197	.239	.192
326	KNOXVILLE, TENNESSEE	.234	.136	.179	.107	.234	.143	.179	.101	.234	.145	.179	.109
240	LAKE CHARLES, LA.	.234	.133	.130	.108	.228	.149	.130	.096	.228	.141	.125	.117
340	LITTLE ROCK, ARK.	.201	.113	.158	.096	.201	.148	.158	.097	.201	.127	.163	.132
423	LOUISVILLE, KENTUCKY	.283	.149	.196	.120	.283	.159	.196	.130	.283	.141	.196	.126
334	MEMPHIS, TENNESSEE	.217	.127	.172	.121	.217	.149	.172	.122	.217	.142	.163	.136
202	MIAMI, FLORIDA	.278	.182	.306	.199	.263	.201	.306	.181	.283	.181	.317	.207
223	MOBILE, ALABAMA	.348	.165	.190	.135	.342	.194	.190	.125	.342	.171	.190	.141
226	MONTGOMERY, ALABAMA	.207	.129	.185	.128	.207	.144	.185	.120	.207	.137	.185	.128
327	NASHVILLE, TENNESSEE	.217	.099	.168	.101	.212	.136	.168	.104	.212	.118	.168	.131
231	NEW ORLEANS, LA.	.333	.170	.161	.110	.328	.197	.161	.104	.328	.185	.144	.112
353	OKLAHOMA CITY, OKLA.	.122	.087	.150	.123	.133	.109	.150	.098	.133	.104	.144	.125
205	ORLANDO, FLORIDA	.310	.188	.098	.102	.310	.192	.098	.089	.310	.198	.098	.105
278	PHOENIX, ARIZONA	.038	.034	.060	.052	.038	.037	.060	.061	.038	.042	.060	.063
253	SAN ANTONIO, TEXAS	.166	.111	.114	.081	.171	.137	.114	.079	.171	.117	.114	.097
248	SHREVEPORT, LA.	.180	.133	.126	.106	.180	.146	.126	.091	.180	.141	.137	.116
211	TAMPA, FLORIDA	.261	.178	.158	.126	.261	.192	.158	.118	.261	.186	.158	.140

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WSFO PRECIPITATION FORECASTS NOV 1970 - APR 1971

SOUTHERN REGION

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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
365	ALBUQUERQUE, N. M.	.050	.035	.039	.035	.050	.045	.039	.026	.050	.039	.039	.043
363	AMARILLO, TEXAS	.039	.013	.044	.023	.039	.023	.044	.027	.039	.023	.044	.034
311	ATHENS, GEORGIA	.210	.069	.210	.111	.211	.115	.210	.096	.210	.099	.210	.123
219	ATLANTA, GEORGIA	.238	.089	.249	.138	.239	.134	.249	.114	.238	.124	.243	.145
218	AUGUSTA, GEORGIA	.221	.081	.155	.079	.222	.118	.155	.058	.221	.110	.155	.095
228	BIRMINGHAM, ALABAMA	.243	.093	.265	.137	.244	.140	.265	.100	.244	.114	.267	.139
250	BROWNSVILLE, TEXAS	.066	.057	.055	.057	.066	.062	.055	.050	.066	.063	.055	.062
261	DEL RIO, TEXAS	.028	.035	.033	.024	.028	.031	.033	.021	.028	.030	.033	.026
270	EL PASO, TEXAS	.017	.014	.050	.035	.017	.017	.050	.035	.017	.019	.050	.043
259	FORTWORTH, TEXAS	.088	.039	.077	.053	.088	.073	.077	.044	.083	.056	.077	.061
243	HOUSTON, TEXAS	.116	.076	.050	.061	.116	.090	.050	.049	.116	.091	.050	.055
235	JACKSON, MISS.	.215	.110	.171	.111	.215	.162	.177	.085	.217	.137	.172	.126
206	JACKSONVILLE, FLA.	.138	.063	.099	.066	.138	.081	.099	.054	.138	.069	.099	.078
201	KEY WEST, FLORIDA	.061	.057	.055	.057	.061	.066	.055	.049	.061	.061	.055	.062
326	KNOXVILLE, TENNESSEE	.232	.100	.271	.156	.232	.133	.271	.103	.232	.125	.271	.164
240	LAKE CHARLES, LA.	.138	.092	.077	.080	.138	.115	.077	.085	.138	.106	.077	.076
340	LITTLE ROCK, ARK.	.171	.086	.166	.093	.171	.123	.166	.089	.171	.109	.160	.099
423	LOUISVILLE, KENTUCKY	.199	.100	.227	.111	.199	.118	.227	.120	.199	.111	.267	.131
334	MEMPHIS, TENNESSEE	.199	.105	.221	.140	.199	.149	.221	.111	.199	.119	.221	.151
202	MIAMI, FLORIDA	.072	.067	.066	.063	.072	.076	.066	.064	.072	.073	.066	.061
223	MOBILE, ALABAMA	.166	.096	.171	.109	.166	.127	.171	.091	.166	.128	.171	.121
226	MONTGOMERY, ALABAMA	.204	.086	.215	.098	.204	.119	.215	.086	.204	.118	.215	.119
327	NASHVILLE, TENNESSEE	.182	.091	.227	.113	.182	.116	.227	.103	.182	.103	.227	.120
231	NEW ORLEANS, LA.	.116	.091	.133	.095	.116	.118	.138	.087	.116	.116	.138	.098
353	OKLAHOMA CITY, OKLA.	.083	.039	.083	.060	.077	.050	.083	.049	.077	.047	.088	.076
205	ORLANDO, FLORIDA	.094	.065	.083	.063	.094	.079	.083	.054	.094	.075	.083	.070
274	PHOENIX, ARIZONA	.017	.015	.044	.035	.017	.022	.044	.026	.017	.013	.044	.035
253	SAN ANTONIO, TEXAS	.050	.047	.083	.061	.050	.054	.083	.066	.050	.046	.083	.068
248	SHREVEPORT, LA.	.110	.071	.149	.116	.110	.090	.149	.099	.110	.087	.144	.118
211	TAMPA, FLORIDA	.099	.066	.094	.075	.099	.072	.094	.065	.099	.066	.094	.076

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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
569	CASPER, WYOMING	.137	.104	.142	.106	.137	.110	.142	.096	.137	.113	.142	.108
534	CHICAGO, ILLINOIS	.239	.106	.200	.124	.233	.141	.200	.119	.233	.123	.200	.139
445	COLUMBIA, MISSOURI	.250	.121	.212	.138	.250	.153	.212	.107	.250	.141	.212	.160
469	DENVER, COLO.	.150	.104	.172	.130	.156	.123	.172	.116	.156	.127	.172	.128
546	DES MOINES, IOWA	.186	.105	.235	.139	.192	.139	.235	.102	.191	.124	.240	.165
537	DETROIT, MICHIGAN	.250	.127	.222	.126	.250	.162	.222	.109	.250	.135	.222	.146
451	DODGE CITY, KANSAS	.136	.092	.158	.114	.137	.113	.158	.093	.136	.102	.158	.124
476	GRAND JUNCTION, COLO	.088	.061	.088	.069	.088	.072	.088	.060	.088	.069	.088	.080
635	GRAND RAPIDS, MICH.	.261	.139	.223	.131	.255	.164	.217	.115	.255	.146	.228	.153
645	GREEN BAY, WISC.	.190	.134	.228	.139	.190	.150	.228	.105	.190	.127	.228	.156
654	HURON, S. DAK.	.185	.115	.179	.147	.190	.133	.179	.121	.190	.138	.185	.155
438	INDIANAPOLIS, IND.	.221	.124	.200	.130	.221	.132	.200	.095	.221	.125	.207	.144
747	INTERNATIONAL FALLS	.239	.152	.196	.140	.245	.159	.196	.124	.245	.172	.196	.164
446	KANSAS CITY, MO.	.212	.102	.212	.126	.212	.146	.212	.119	.212	.123	.212	.150
576	LANDER, WYOMING	.087	.064	.071	.059	.087	.070	.071	.067	.087	.078	.071	.060
658	MINNEAPOLIS, MINN.	.194	.120	.256	.161	.200	.146	.256	.113	.200	.141	.267	.175
562	NORTH PLATTE, NEBR.	.120	.086	.158	.118	.121	.111	.158	.098	.120	.098	.158	.130
532	PEORIA, ILLINOIS	.251	.121	.251	.135	.251	.150	.251	.105	.251	.143	.251	.153
464	PUEBLO, COLORADO	.098	.071	.136	.110	.103	.093	.136	.098	.103	.093	.136	.117
662	RAPID CITY, S. DAK.	.120	.084	.158	.111	.114	.092	.158	.109	.114	.089	.163	.123
734	SAULT STE MARIE	.326	.134	.239	.154	.321	.189	.239	.134	.321	.152	.239	.161
434	ST. LOUIS, MO.	.271	.131	.210	.144	.271	.162	.210	.114	.271	.154	.215	.147
450	WICHITA, KANSAS	.165	.111	.137	.120	.166	.123	.137	.095	.165	.111	.137	.123
767	WILLISTON, N. DAK.	.185	.102	.212	.149	.185	.139	.212	.129	.185	.115	.212	.158

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NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
569	CASPER, WYOMING	.166	.078	.232	.146	.166	.116	.232	.118	.166	.104	.232	.162
534	CHICAGO, ILLINOIS	.221	.109	.227	.140	.221	.159	.227	.149	.221	.154	.232	.165
445	COLUMBIA, MISSOURI	.122	.065	.149	.101	.122	.095	.144	.099	.122	.089	.150	.116
469	DENVER, COLO.	.099	.053	.127	.095	.094	.071	.127	.091	.094	.061	.127	.089
546	DES MOINES, IOWA	.133	.070	.188	.103	.139	.097	.188	.092	.138	.092	.188	.115
537	DETROIT, MICHIGAN	.265	.111	.287	.149	.271	.159	.287	.128	.271	.144	.287	.160
451	DODGE CITY, KANSAS	.088	.062	.083	.062	.089	.076	.083	.050	.083	.076	.083	.068
476	GRAND JUNCTION, COLO	.077	.064	.094	.073	.077	.078	.094	.055	.077	.074	.094	.086
635	GRAND RAPIDS, MICH.	.320	.144	.320	.165	.320	.167	.320	.144	.320	.153	.320	.173
645	GREEN BAY, WISC.	.260	.103	.215	.132	.260	.176	.215	.118	.260	.149	.215	.149
654	HURON, S. DAK.	.144	.097	.116	.087	.138	.116	.116	.079	.138	.113	.110	.091
438	INDIANAPOLIS, IND.	.204	.094	.215	.113	.204	.135	.215	.096	.204	.113	.210	.140
747	INTERNATIONAL FALLS	.193	.104	.238	.138	.193	.136	.238	.099	.193	.124	.238	.141
446	KANSAS CITY, MO.	.116	.068	.104	.072	.122	.095	.099	.067	.123	.096	.098	.081
576	LANDER, WYOMING	.144	.069	.127	.093	.144	.109	.127	.069	.144	.094	.127	.106
653	MINNEAPOLIS, MINN.	.249	.099	.276	.149	.249	.156	.276	.126	.249	.137	.271	.156
562	NORTH PLATTE, NEBR.	.127	.075	.182	.102	.128	.096	.182	.078	.127	.091	.182	.129
532	PEORIA, ILLINOIS	.166	.073	.155	.109	.166	.118	.155	.084	.166	.104	.155	.120
464	PUEBLO, COLORADO	.066	.053	.077	.066	.091	.062	.077	.061	.081	.066	.077	.072
662	RAPID CITY, S. DAK.	.232	.132	.132	.123	.232	.165	.132	.102	.232	.155	.177	.130
734	SAULT STE MARIE	.331	.155	.381	.131	.337	.184	.381	.168	.337	.177	.387	.203
434	ST. LOUIS, MO.	.149	.068	.177	.097	.149	.105	.178	.080	.150	.103	.178	.130
450	WICHITA, KANSAS	.099	.070	.066	.054	.106	.094	.066	.043	.105	.077	.066	.063
767	WILLISTON, N. DAK.	.182	.110	.171	.111	.188	.132	.171	.097	.133	.124	.171	.134

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NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
677	BILLINGS, MONTANA	.125	.099	.168	.127	.125	.120	.168	.126	.125	.118	.168	.152
681	BOISE, IDAHO	.099	.065	.143	.098	.099	.075	.143	.085	.099	.086	.143	.110
486	ELY, NEVADA	.167	.103	.150	.113	.172	.133	.151	.105	.174	.120	.151	.114
594	EUREKA, CALIFORNIA	.071	.034	.082	.048	.071	.047	.082	.037	.071	.047	.082	.057
389	FRESNO, CALIFORNIA	0.000	.004	.016	.015	0.000	.000	.016	.013	0.000	.006	.016	.019
768	GLASGOW, MONTANA	.147	.101	.136	.116	.147	.124	.136	.096	.147	.105	.136	.113
775	GREAT FALLS, MONTANA	.161	.094	.183	.108	.156	.125	.183	.101	.156	.118	.183	.128
772	HELENA, MONTANA	.147	.104	.168	.123	.147	.124	.168	.116	.147	.123	.168	.128
386	LAS VEGAS, NEVADA	.027	.025	.022	.025	.027	.029	.022	.026	.027	.027	.022	.024
295	LOS ANGELES, CALIF.	.017	.016	0.000	.001	.017	.018	0.000	.002	.017	.018	0.000	.000
597	MEDFORD, OREGON	.076	.040	.092	.063	.076	.056	.092	.053	.076	.048	.092	.069
773	MISSOULA, MONTANA	.201	.128	.174	.127	.201	.146	.174	.108	.201	.135	.174	.132
688	PENDLETON, OREGON	.104	.054	.126	.091	.104	.086	.126	.078	.104	.084	.131	.105
578	POCATELLO, IDAHO	.125	.092	.147	.120	.125	.107	.148	.109	.125	.111	.147	.113
698	PORTLAND, OREGON	.156	.059	.139	.073	.156	.089	.139	.073	.156	.083	.139	.088
488	RENO, NEVADA	.038	.026	.049	.045	.038	.034	.049	.048	.038	.035	.049	.050
483	SACRAMENTO, CALIF.	.022	.010	.022	.016	.022	.019	.022	.011	.022	.015	.022	.013
572	SALT LAKE CITY, UTAH	.153	.071	.147	.115	.153	.104	.147	.112	.153	.093	.147	.120
290	SAN DIEGO, CALIF.	.016	.014	0.000	.000	.016	.016	0.000	.002	.016	.016	0.000	.001
494	SAN FRANCISCO, CALIF	.033	.019	.017	.010	.033	.027	.017	.009	.033	.026	.017	.009
793	SEATTLE, WASHINGTON	.180	.071	.175	.120	.180	.117	.175	.105	.180	.097	.175	.129
785	SPOKANE, WASHINGTON	.098	.073	.125	.097	.098	.092	.125	.090	.098	.087	.125	.099
781	YAKIMA, WASHINGTON	.027	.034	.038	.040	.033	.046	.038	.039	.033	.038	.038	.040

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677	BILLINGS, MONTANA	.210	.133	.133	.143	.210	.146	.133	.138	.210	.143	.133	.167
681	BOISE, IDAHO	.257	.118	.285	.154	.257	.169	.285	.133	.257	.191	.285	.185
496	ELY, NEVADA	.144	.089	.156	.090	.144	.112	.156	.073	.144	.097	.156	.101
534	EUREKA, CALIFORNIA	.450	.115	.411	.127	.450	.186	.411	.117	.450	.154	.411	.134
389	FRESNO, CALIFORNIA	.116	.050	.155	.063	.116	.075	.155	.054	.116	.073	.155	.088
763	GLASGOW, MONTANA	.204	.133	.204	.147	.204	.150	.204	.118	.204	.150	.204	.147
775	GREAT FALLS, MONTANA	.210	.118	.238	.154	.210	.150	.238	.126	.210	.144	.238	.166
772	HELENA, MONTANA	.160	.137	.193	.159	.160	.166	.193	.144	.160	.140	.193	.152
336	LAS VEGAS, NEVADA	.028	.024	.017	.022	.028	.031	.017	.020	.023	.022	.017	.021
235	LOS ANGELES, CALIF.	.117	.055	.034	.065	.117	.071	.034	.039	.117	.070	.034	.065
537	MEDFORD, OREGON	.354	.127	.287	.151	.354	.183	.287	.147	.356	.168	.287	.168
773	MISSOULA, MONTANA	.293	.171	.359	.206	.293	.212	.359	.185	.293	.195	.359	.223
688	PENDLETON, OREGON	.199	.149	.254	.166	.199	.166	.254	.137	.199	.169	.254	.186
678	POCATELLO, IDAHO	.256	.134	.317	.159	.256	.183	.317	.141	.256	.152	.317	.200
638	PORTLAND, OREGON	.547	.134	.470	.137	.547	.218	.470	.132	.547	.208	.470	.181
498	RENO, NEVADA	.138	.076	.138	.104	.138	.087	.138	.086	.144	.091	.138	.098
483	SACRAMENTO, CALIF.	.182	.080	.221	.108	.182	.111	.221	.088	.182	.120	.227	.126
572	SALT LAKE CITY, UTAH	.232	.113	.232	.141	.232	.162	.232	.125	.232	.157	.232	.151
240	SAN DIEGO, CALIF.	.033	.044	.034	.062	.088	.072	.034	.043	.088	.059	.094	.071
494	SAN FRANCISCO, CALIF	.232	.074	.199	.092	.232	.116	.139	.065	.232	.115	.204	.112
733	SEATTLE, WASHINGTON	.503	.127	.519	.169	.503	.174	.519	.139	.503	.163	.514	.197
745	SPOKANE, WASHINGTON	.276	.157	.276	.154	.276	.192	.276	.122	.276	.132	.232	.130
731	YAKIMA, WASHINGTON	.171	.115	.166	.115	.171	.135	.166	.118	.171	.133	.171	.135

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509	BOSTON,MASS.	.243	.129	.258	.157	.243	.163	.258	.137	.243	.148	.260	.174
524	CLEVELAND, OHIO	.243	.137	.215	.123	.239	.162	.215	.101	.239	.144	.212	.130
310	COLUMBIA, S.C.	.239	.148	.190	.124	.239	.158	.190	.117	.239	.150	.196	.135
503	NEW YORK, N.Y.	.206	.127	.231	.144	.206	.154	.231	.131	.206	.150	.234	.159
408	PHILADELPHIA, PA.	.180	.102	.169	.118	.186	.124	.169	.088	.186	.120	.169	.130
520	PITTSBURGH, PA.	.280	.140	.264	.135	.283	.173	.264	.129	.283	.154	.258	.160
306	RALEIGH, N.C.	.184	.121	.176	.106	.186	.129	.176	.104	.186	.124	.173	.119
405	WASHINGTON, D.C.	.164	.095	.151	.105	.162	.114	.151	.089	.163	.107	.154	.105
365	ALBUQUERQUE, N.M.	.054	.050	.101	.080	.057	.054	.101	.080	.057	.056	.099	.083
219	ATLANTA,GA.	.219	.124	.142	.093	.215	.143	.144	.091	.218	.140	.144	.106
228	BIRMINGHAM,ALA.	.257	.137	.184	.127	.255	.160	.184	.115	.255	.144	.182	.128
259	FORT WORTH, TEXAS	.098	.079	.107	.082	.098	.093	.107	.075	.098	.088	.107	.086
334	MEMPHIS,TENN.	.230	.125	.175	.109	.229	.147	.175	.111	.229	.135	.178	.127
202	MIAMI, FLA.	.290	.184	.194	.151	.291	.200	.194	.137	.291	.193	.195	.159
231	NEW ORLEANS, LA.	.245	.144	.144	.109	.242	.165	.144	.097	.242	.155	.140	.117
353	OKLAHOMA CITY, OKLA.	.122	.087	.150	.123	.133	.109	.150	.098	.133	.104	.144	.125
253	SAN ANTONIO, TEX.	.143	.097	.109	.087	.142	.110	.109	.083	.142	.103	.108	.090
534	CHICAGO, ILL.	.227	.122	.228	.133	.225	.146	.228	.111	.225	.131	.228	.150
469	DENVER, COLO.	.112	.081	.122	.095	.114	.094	.122	.088	.114	.096	.122	.098
537	DETROIT,MICH.	.279	.133	.228	.137	.276	.172	.226	.120	.276	.145	.230	.153
438	INDIANAPOLIS, IND.	.220	.113	.176	.124	.220	.129	.176	.079	.220	.120	.187	.136
446	KANSAS CITY, MO.	.152	.098	.172	.123	.154	.121	.172	.097	.153	.109	.173	.136
658	MINNEAPOLIS, MINN.	.184	.115	.200	.142	.187	.134	.200	.119	.187	.131	.204	.151
434	ST. LOUIS, MO.	.244	.118	.211	.136	.244	.154	.211	.113	.244	.139	.213	.146
681	BOISE, IDAHO	.094	.066	.127	.097	.094	.077	.128	.085	.094	.084	.127	.097
775	GREAT FALLS,MONT.	.156	.105	.166	.120	.155	.128	.166	.109	.155	.120	.166	.130
295	LOS ANGELES, CALIF.	.020	.018	.007	.009	.020	.021	.007	.010	.020	.020	.007	.008
698	PORTLAND, ORE.	.112	.051	.119	.075	.112	.077	.119	.068	.112	.072	.121	.087
572	SALT LAKE CITY, UT.	.157	.092	.157	.119	.159	.119	.157	.112	.160	.113	.157	.123
494	SAN FRANCISCO, CALIF	.033	.019	.037	.027	.033	.025	.037	.024	.033	.026	.037	.030
793	SEATTLE, WASH.	.102	.059	.113	.086	.104	.085	.113	.078	.104	.074	.113	.089

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509	BOSTON,MASS.	.305	.127	.314	.146	.305	.159	.314	.125	.305	.151	.314	.176
524	CLEVELAND, OHIO	.260	.124	.260	.134	.262	.165	.260	.112	.262	.151	.258	.159
310	COLUMBIA, S.C.	.182	.081	.182	.114	.182	.110	.182	.085	.182	.104	.177	.121
503	NEW YORK, N.Y.	.250	.106	.258	.121	.252	.133	.256	.100	.252	.123	.260	.142
408	PHILADELPHIA, PA.	.279	.110	.260	.113	.276	.137	.260	.094	.276	.123	.262	.136
520	PITTSBURGH, PA.	.413	.165	.399	.171	.413	.221	.401	.154	.417	.210	.401	.195
306	RALEIGH, N.C.	.213	.074	.195	.122	.215	.123	.195	.099	.215	.103	.195	.123
405	WASHINGTON, D.C.	.201	.076	.201	.099	.201	.099	.201	.077	.201	.095	.199	.120
365	ALBUQUERQUE, N.M.	.033	.025	.041	.035	.033	.034	.041	.026	.033	.028	.041	.039
219	ATLANTA,GA.	.223	.080	.204	.109	.224	.122	.204	.089	.223	.111	.207	.121
228	BIRMINGHAM,ALA.	.204	.092	.217	.114	.205	.128	.217	.092	.205	.120	.218	.127
259	FORT WORTH, TEXAS	.064	.023	.061	.040	.064	.050	.061	.036	.064	.033	.061	.048
334	MEMPHIS,TENN.	.197	.096	.222	.124	.197	.129	.222	.107	.197	.116	.221	.133
202	MIAMI, FLA.	.093	.064	.080	.065	.093	.075	.080	.057	.093	.069	.080	.069
231	NEW ORLEANS, LA.	.145	.091	.134	.098	.145	.121	.135	.089	.145	.111	.133	.104
353	OKLAHOMA CITY, OKLA.	.083	.039	.083	.060	.077	.050	.083	.049	.077	.047	.088	.076
253	SAN ANTONIO, TEX.	.055	.046	.054	.048	.055	.051	.054	.044	.055	.050	.054	.051
534	CHICAGO, ILL.	.215	.097	.199	.127	.215	.151	.199	.104	.215	.136	.201	.145
469	DENVER, COLO.	.110	.063	.131	.096	.109	.097	.131	.079	.108	.080	.131	.103
537	DETROIT,MICH.	.306	.137	.330	.169	.309	.170	.330	.147	.309	.160	.331	.191
438	INDIANAPOLIS, IND.	.204	.094	.215	.113	.204	.135	.215	.096	.204	.113	.210	.140
446	KANSAS CITY, MO.	.112	.069	.130	.080	.115	.091	.130	.066	.115	.084	.130	.094
653	MINNEAPOLIS, MINN.	.200	.103	.197	.122	.200	.141	.197	.100	.200	.131	.193	.130
434	ST. LOUIS, MO.	.129	.067	.144	.090	.131	.099	.141	.082	.132	.098	.143	.110
631	BOISE, IDAHO	.287	.128	.328	.157	.285	.180	.328	.139	.285	.159	.326	.196
775	GREAT FALLS,MONT.	.215	.139	.239	.163	.215	.169	.239	.142	.215	.154	.239	.171
295	LOS ANGELES, CALIF.	.077	.041	.068	.050	.077	.053	.068	.034	.077	.050	.068	.052
698	PORTLAND, ORE.	.350	.136	.318	.151	.352	.187	.318	.134	.352	.173	.320	.175
572	SALT LAKE CITY, UT.	.134	.093	.131	.117	.134	.137	.131	.087	.134	.121	.168	.124
434	SAN FRANCISCO, CALIF	.224	.081	.225	.110	.224	.115	.225	.083	.225	.114	.228	.117
733	SEATTLE, WASH.	.317	.133	.320	.146	.317	.167	.320	.126	.317	.159	.322	.171

PF = RELATIVE PRECIPITATION FREQUENCY
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EASTERN REGION

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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72518	ALBANY, NEW YORK	.239	.126	.239	.130	.239	.171	.239	.108	.239	.162	.239	.154
72406	BALTIMORE, MD.	.179	.095	.185	.120	.179	.120	.185	.093	.179	.118	.185	.124
72412	BECKLEY, W. VA.	.283	.155	.185	.137	.288	.173	.185	.110	.288	.169	.190	.129
72515	BINGHAMTON, N. Y.	.234	.137	.255	.143	.239	.152	.251	.125	.240	.151	.251	.173
72504	BRIDGEPORT, CONN.	.174	.091	.196	.130	.174	.137	.196	.108	.179	.119	.186	.150
72528	BUFFALO, N. Y.	.293	.139	.255	.142	.299	.173	.255	.120	.299	.165	.255	.160
72617	BURLINGTON, VT.	.299	.128	.315	.179	.299	.177	.315	.152	.299	.166	.315	.207
72712	CARIBOU, MAINE	.315	.138	.288	.150	.310	.183	.288	.142	.311	.193	.288	.200
72414	CHARLESTON, W. VA.	.234	.142	.212	.135	.239	.164	.212	.111	.239	.167	.217	.149
72605	CONCORD, N. H.	.197	.089	.230	.131	.197	.155	.235	.095	.197	.147	.235	.162
72429	DAYTON, OHIO	.212	.125	.179	.108	.212	.158	.179	.102	.212	.138	.179	.123
72417	ELKINS, W. VA.	.277	.138	.245	.145	.277	.150	.240	.127	.273	.155	.246	.163
72508	HARTFORD, CONN.	.176	.125	.261	.162	.176	.139	.263	.130	.178	.142	.263	.179
72425	HUNTINGTON, W. VA.	.223	.099	.245	.136	.223	.126	.245	.093	.223	.124	.245	.143
72410	LYNCHBURG, VIRGINIA	.250	.123	.147	.096	.255	.156	.149	.095	.260	.143	.149	.109
72308	NORFOLK, VIRGINIA	.152	.082	.130	.099	.152	.109	.130	.085	.152	.098	.130	.099
72606	PORTLAND, MAINE	.179	.112	.208	.135	.175	.126	.203	.111	.175	.119	.212	.143
72507	PROVIDENCE, R. I.	.174	.117	.217	.135	.174	.138	.217	.120	.174	.130	.217	.157
72401	RICHMOND, VIRGINIA	.179	.096	.141	.101	.179	.119	.142	.088	.180	.112	.148	.093
72411	ROANOKE, VIRGINIA	.283	.106	.171	.129	.283	.173	.179	.104	.283	.149	.174	.126
72529	ROCHESTER, N. Y.	.304	.135	.266	.168	.304	.196	.266	.154	.304	.161	.261	.164
72519	SYRACUSE, NEW YORK	.283	.125	.277	.144	.288	.152	.277	.105	.288	.148	.277	.161
99006	WILMINGTON, DEL.	.179	.106	.190	.129	.179	.123	.190	.114	.179	.125	.190	.139
99017	WORCESTER,MASS.	.208	.076	.230	.134	.208	.141	.230	.107	.208	.122	.230	.151

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EASTERN REGION

INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72518	ALBANY, NEW YORK	.282	.099	.260	.112	.282	.143	.260	.103	.282	.128	.260	.141
72406	BALTIMORE, MD.	.204	.082	.204	.098	.204	.100	.204	.071	.204	.104	.204	.119
72412	BECKLEY, W. VA.	.315	.120	.343	.148	.309	.154	.343	.125	.309	.138	.343	.204
72515	BINGHAMTON, N. Y.	.285	.151	.318	.170	.279	.182	.326	.128	.287	.154	.331	.199
72504	BRIDGEPORT, CONN.	.246	.085	.229	.124	.246	.121	.228	.098	.244	.117	.228	.145
72528	BUFFALO, N. Y.	.453	.144	.442	.204	.453	.218	.444	.172	.450	.135	.429	.212
72617	BURLINGTON, VT.	.365	.120	.337	.154	.365	.190	.337	.141	.365	.177	.337	.187
72712	CARIBOU, MAINE	.343	.147	.320	.154	.343	.184	.320	.133	.343	.170	.320	.171
72414	CHARLESTON, W. VA.	.276	.093	.276	.122	.271	.138	.276	.095	.271	.127	.276	.143
72605	CONCORD, N. H.	.277	.103	.282	.145	.289	.160	.282	.094	.289	.162	.282	.172
72429	DAYTON, OHIO	.213	.123	.197	.147	.213	.161	.197	.087	.213	.147	.180	.193
72417	ELKINS, W. VA.	.331	.134	.365	.143	.331	.172	.365	.122	.331	.161	.365	.172
72508	HARTFORD, CONN.	.232	.095	.271	.133	.232	.125	.271	.086	.232	.131	.276	.152
72425	HUNTINGTON, W. VA.	.260	.059	.282	.098	.260	.125	.283	.057	.256	.111	.283	.126
72410	LYNCHBURG, VIRGINIA	.193	.077	.221	.098	.188	.103	.221	.087	.193	.103	.221	.110
72306	NORFOLK, VIRGINIA	.203	.053	.198	.086	.208	.093	.198	.071	.208	.091	.193	.110
72606	PORTLAND, MAINE	.239	.074	.317	.132	.243	.128	.317	.108	.243	.112	.320	.158
72507	PROVIDENCE, R. I.	.227	.061	.265	.123	.227	.102	.265	.103	.227	.094	.265	.148
72401	RICHMOND, VIRGINIA	.204	.077	.204	.103	.204	.096	.206	.081	.206	.085	.206	.122
72411	ROANOKE, VIRGINIA	.204	.064	.177	.101	.199	.121	.177	.081	.199	.110	.177	.117
72523	ROCHESTER, N. Y.	.448	.138	.398	.207	.453	.234	.398	.176	.453	.235	.392	.224
72519	SYRACUSE, NEW YORK	.398	.155	.392	.190	.392	.213	.392	.149	.392	.197	.392	.212
99006	WILMINGTON, DEL.	.232	.093	.265	.100	.232	.123	.265	.095	.232	.123	.265	.112
99017	WORCESTER,MASS.	.243	.073	.271	.146	.243	.119	.272	.113	.244	.134	.272	.162

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WSO PRECIPITATION FORECASTS MAY 1970 - OCT 1970

SOUTHERN REGION

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	1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.	PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72266 ABILENE, TEXAS	.098	.066	.092	.072	.098	.090	.088	.050	.098	.077	.092	.066
72363 AMARILLO, TEXAS	.076	.061	.109	.083	.076	.079	.109	.093	.076	.080	.109	.095
72311 ATHENS, GEORGIA	.175	.111	.148	.085	.176	.132	.148	.080	.175	.119	.148	.099
72218 AUGUSTA, GEORGIA	.228	.137	.136	.101	.228	.149	.136	.083	.228	.145	.136	.107
72254 AUSTIN, TEXAS	.169	.103	.096	.067	.169	.135	.096	.071	.169	.117	.096	.079
99016 BATON ROUGE, LA.	.304	.168	.156	.121	.299	.197	.156	.111	.299	.191	.152	.122
99022 BRISTOL, TENNESSEE	.234	.137	.234	.141	.234	.145	.235	.137	.235	.147	.235	.159
72250 BROWNSVILLE, TEXAS	.179	.106	.120	.097	.174	.145	.120	.090	.174	.125	.114	.088
72324 CHATTANOOGA, TENN.	.255	.151	.158	.118	.250	.178	.158	.102	.250	.165	.158	.125
99011 COLUMBUS, GEORGIA	.261	.152	.168	.108	.261	.192	.168	.096	.262	.177	.169	.119
72251 CORPUS CHRISTI, TEX.	.191	.109	.112	.096	.191	.132	.107	.079	.191	.122	.112	.098
99007 DAYTONA BEACH, FLA.	.261	.165	.136	.118	.261	.189	.136	.099	.261	.176	.136	.126
72261 DEL RIO, TEXAS	.082	.064	.098	.070	.082	.076	.098	.065	.082	.075	.103	.085
72270 EL PASO, TEXAS	.071	.056	.120	.095	.071	.068	.120	.087	.071	.057	.120	.100
72375 FLAGSTAFF, ARIZONA	.168	.094	.060	.041	.168	.101	.060	.041	.168	.104	.060	.047
99008 FORT MYERS, FLORIDA	.328	.189	.104	.107	.317	.214	.087	.111	.398	.209	.117	.145
72344 FORT SMITH, ARKANSAS	.174	.116	.152	.114	.179	.139	.152	.086	.179	.124	.158	.131
72242 GALVESTON, TEXAS	.250	.123	.185	.138	.245	.177	.172	.111	.245	.155	.180	.160
72243 HOUSTON, TEXAS	.212	.120	.120	.102	.207	.154	.115	.087	.207	.136	.109	.089
72323 HUNTSVILLE, ALABAMA	.217	.125	.207	.120	.217	.146	.207	.098	.217	.127	.201	.127
72235 JACKSON, MISS.	.239	.128	.163	.114	.239	.166	.163	.087	.239	.159	.158	.124
72206 JACKSONVILLE, FLA.	.315	.173	.158	.145	.315	.200	.158	.126	.315	.189	.158	.157
72201 KEY WEST, FLORIDA	.283	.184	.255	.200	.283	.203	.255	.205	.283	.199	.252	.214
72326 KNOXVILLE, TENNESSEE	.234	.118	.179	.102	.234	.133	.179	.097	.234	.136	.174	.121
72240 LAKE CHARLES, LA.	.223	.125	.136	.104	.217	.149	.136	.089	.217	.134	.130	.110
99009 LAKELAND, FLORIDA	.342	.157	.125	.110	.342	.198	.125	.085	.342	.171	.125	.106
72340 LITTLE ROCK, ARK.	.198	.112	.158	.097	.207	.146	.153	.098	.207	.132	.163	.129
72423 LOUISVILLE, KENTUCKY	.272	.129	.201	.117	.266	.153	.201	.102	.272	.136	.190	.116
72267 LUBBOCK, TEXAS	.071	.051	.099	.080	.071	.069	.099	.068	.071	.061	.093	.084
72217 MACON, GEORGIA	.228	.139	.196	.118	.228	.160	.196	.111	.228	.152	.196	.129
72234 MERIDIAN, MISS.	.255	.152	.179	.107	.250	.187	.179	.109	.250	.171	.174	.134
72265 MIDLAND, TEXAS	.092	.076	.092	.077	.092	.096	.092	.062	.092	.070	.092	.082
72223 MOBILE, ALABAMA	.348	.157	.190	.136	.342	.190	.190	.116	.342	.171	.190	.147
72226 MONTGOMERY, ALABAMA	.207	.129	.179	.136	.207	.145	.179	.121	.207	.139	.179	.133
72327 NASHVILLE, TENNESSEE	.223	.093	.168	.106	.217	.138	.168	.108	.217	.106	.168	.140
72205 ORLANDO, FLORIDA	.321	.182	.130	.119	.321	.208	.174	.102	.321	.205	.130	.123
72278 PHOENIX, ARIZONA	.038	.029	.060	.056	.038	.034	.060	.052	.038	.029	.060	.058
72241 PORT ARTHUR, TEXAS	.240	.127	.137	.114	.235	.171	.137	.102	.235	.152	.131	.115
72263 SAN ANGELO, TEXAS	.098	.082	.082	.059	.098	.098	.082	.057	.098	.087	.082	.077
78526 SAN JUAN, P. R.	.332	.180	.424	.197	.332	.208	.424	.158	.332	.150	.418	.223
72207 SAVANNAH, GEORGIA	.255	.153	.179	.124	.255	.164	.179	.114	.261	.166	.179	.129
72248 SHREVEPORT, LA.	.190	.104	.141	.095	.185	.129	.141	.077	.185	.124	.147	.107
72255 VICTORIA, TEXAS	.208	.129	.115	.098	.208	.152	.115	.089	.208	.136	.121	.118
72214 TALLAHASSEE, FLA.	.350	.167	.174	.132	.353	.189	.174	.107	.350	.179	.174	.147
72211 TAMPA, FLORIDA	.266	.178	.152	.136	.266	.196	.152	.109	.266	.187	.158	.145
72356 TULSA, OKLAHOMA	.147	.090	.147	.106	.152	.115	.147	.090	.152	.112	.147	.120
72256 WACO, TEXAS	.136	.098	.087	.072	.136	.119	.087	.060	.136	.101	.087	.073
99010 WEST PALM BEACH, FLA	.353	.192	.277	.190	.353	.225	.277	.172	.353	.208	.277	.192
72351 WICHITA FALLS, TEXAS	.087	.053	.098	.082	.087	.078	.098	.069	.087	.075	.098	.084

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NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72266	ABILENE, TEXAS	.033	.030	.044	.041	.033	.036	.044	.032	.033	.041	.044	.033
72363	AMARILLO, TEXAS	.039	.013	.044	.023	.039	.022	.044	.016	.039	.019	.044	.033
72311	ATHENS, GEORGIA	.215	.047	.215	.115	.215	.117	.215	.080	.215	.103	.215	.130
72218	AUGUSTA, GEORGIA	.232	.075	.160	.073	.232	.126	.160	.054	.232	.100	.160	.083
72254	AUSTIN, TEXAS	.072	.049	.033	.036	.072	.068	.033	.036	.072	.052	.033	.040
99016	BATON ROUGE, LA.	.156	.099	.150	.102	.150	.122	.150	.100	.150	.126	.156	.129
99022	BRISTOL, TENNESSEE	.254	.093	.260	.144	.254	.153	.257	.117	.251	.128	.264	.166
72250	BROWNSVILLE, TEXAS	.061	.050	.055	.051	.061	.055	.055	.043	.061	.056	.055	.060
72324	CHATTANOOGA, TENN.	.204	.091	.249	.144	.204	.134	.249	.113	.204	.126	.249	.171
99011	COLUMBUS, GEORGIA	.204	.067	.227	.107	.204	.122	.227	.034	.204	.039	.227	.128
72251	CORPUS CHRISTI, TEX.	.050	.045	.044	.046	.050	.052	.044	.027	.050	.052	.039	.044
99007	DAYTONA BEACH, FLA.	.033	.067	.039	.066	.033	.072	.039	.040	.033	.073	.034	.074
72261	DEL RIO, TEXAS	.028	.032	.033	.023	.028	.031	.033	.022	.028	.030	.035	.026
72270	EL PASO, TEXAS	0.000	.006	.033	.022	0.000	.007	.035	.019	0.000	.007	.033	.026
72375	FLAGSTAFF, ARIZONA	.123	.057	.094	.054	.122	.070	.094	.034	.122	.063	.100	.063
99008	FORT MYERS, FLORIDA	.044	.032	.050	.037	.044	.050	.054	.032	.036	.032	.048	.043
72344	FORT SMITH, ARKANSAS	.144	.077	.160	.129	.138	.105	.160	.077	.138	.092	.155	.116
72242	GALVESTON, TEXAS	.116	.083	.066	.061	.116	.091	.067	.041	.116	.079	.066	.061
72243	HOUSTON, TEXAS	.122	.030	.055	.065	.122	.102	.056	.046	.122	.088	.055	.054
72323	HUNTSVILLE, ALABAMA	.243	.100	.260	.132	.243	.138	.260	.097	.243	.118	.260	.158
72235	JACKSON, MISS.	.215	.105	.182	.113	.215	.162	.182	.074	.215	.133	.182	.120
72206	JACKSONVILLE, FLA.	.133	.072	.083	.076	.133	.084	.083	.065	.133	.074	.083	.084
72201	KEY WEST, FLORIDA	.066	.056	.055	.057	.066	.071	.055	.042	.066	.064	.055	.057
72326	KNOXVILLE, TENNESSEE	.238	.079	.265	.143	.238	.134	.261	.112	.239	.119	.256	.161
72240	LAKE CHARLES, LA.	.106	.070	.083	.080	.106	.091	.083	.082	.107	.085	.080	.083
99009	LAKELAND, FLORIDA	.116	.051	.088	.074	.116	.086	.088	.058	.116	.068	.080	.079
72340	LITTLE ROCK, ARK.	.153	.075	.177	.093	.171	.131	.159	.065	.171	.114	.171	.110
72423	LOUISVILLE, KENTUCKY	.191	.073	.210	.101	.193	.113	.210	.081	.193	.141	.210	.115
72267	LUBBOCK, TEXAS	.028	.018	.022	.019	.033	.031	.022	.015	.033	.030	.022	.019
72217	MACON, GEORGIA	.244	.090	.189	.099	.244	.167	.189	.068	.244	.127	.189	.098
72234	MERIDIAN, MISS.	.200	.098	.167	.095	.200	.174	.167	.072	.200	.137	.167	.114
72265	MIDLAND, TEXAS	0.000	.007	.022	.018	0.000	.003	.022	.024	0.000	.002	.022	.026
72223	MOBILE, ALABAMA	.160	.100	.173	.114	.160	.121	.173	.113	.160	.112	.173	.125
72226	MONTGOMERY, ALABAMA	.193	.087	.215	.093	.193	.122	.215	.089	.193	.115	.215	.121
72327	NASHVILLE, TENNESSEE	.183	.079	.238	.110	.188	.125	.238	.105	.188	.110	.238	.137
72205	ORLANDO, FLORIDA	.094	.066	.083	.067	.105	.083	.083	.049	.105	.081	.083	.068
72278	PHOENIX, ARIZONA	.017	.015	.044	.030	.017	.024	.044	.019	.017	.021	.044	.034
72241	PORT ARTHUR, TEXAS	.138	.100	.083	.078	.138	.116	.083	.054	.138	.105	.083	.075
72263	SAN ANGELO, TEXAS	.023	.018	.028	.024	.028	.024	.028	.019	.028	.023	.028	.023
78526	SAN JUAN, P. R.	.343	.166	.387	.172	.343	.134	.337	.147	.343	.151	.337	.221
72207	SAVANNAH, GEORGIA	.182	.091	.166	.112	.182	.121	.166	.077	.182	.109	.166	.109
72248	SHREVEPORT, LA.	.105	.062	.149	.107	.105	.074	.149	.077	.105	.078	.144	.118
72255	VICTORIA, TEXAS	.083	.057	.050	.057	.083	.078	.050	.047	.083	.069	.044	.046
72214	TALLAHASSEE, FLA.	.193	.085	.094	.073	.193	.122	.094	.050	.193	.104	.094	.073
72211	TAMPA, FLORIDA	.099	.060	.094	.075	.099	.069	.094	.064	.099	.071	.094	.081
72356	TULSA, OKLAHOMA	.127	.061	.083	.061	.122	.082	.083	.057	.122	.069	.083	.077
72256	WACO, TEXAS	.079	.029	.067	.055	.078	.060	.067	.039	.073	.052	.067	.061
99010	WEST PALM BEACH, FLA	.094	.077	.077	.079	.099	.103	.077	.065	.099	.091	.077	.081
72351	WICHITA FALLS, TEXAS	.067	.023	.044	.043	.067	.044	.044	.036	.067	.040	.044	.044

PF = RELATIVE PRECIPITATION FREQUENCY
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INDEX		0600Z SCORES						1800Z SCORES					
		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72462	ALAMOSA, COLORADO	.148	.072	.137	.098	.142	.102	.141	.069	.141	.098	.141	.111
99014	BURLINGTON, IOWA	.202	.103	.208	.131	.202	.132	.207	.099	.202	.126	.214	.136
72569	CASPER, WYOMING	.118	.087	.111	.093	.118	.096	.111	.078	.118	.096	.111	.085
72564	CHEYENNE, WYOMING	.152	.099	.125	.094	.152	.109	.120	.082	.148	.112	.120	.091
72546	DES MOINES, IOWA	.196	.100	.239	.143	.196	.129	.240	.120	.197	.132	.240	.166
72451	DODGE CITY, KANSAS	.136	.099	.158	.124	.136	.114	.158	.097	.136	.105	.158	.127
72476	GRAND JUNCTION, COLO	.085	.054	.075	.055	.085	.072	.074	.050	.084	.064	.074	.063
72654	HURON, S. DAK.	.202	.122	.180	.157	.208	.147	.180	.114	.208	.152	.186	.150
72747	INTERNATIONAL FALLS	.239	.142	.201	.134	.239	.162	.201	.122	.239	.152	.201	.147
72576	LANDER, WYOMING	.087	.061	.077	.066	.087	.075	.077	.065	.087	.073	.077	.064
72743	MARQUETTE, MICH.	.255	.122	.261	.171	.250	.181	.261	.135	.250	.149	.255	.171
72544	MOLINE, ILLINOIS	.250	.118	.261	.142	.250	.143	.261	.115	.250	.139	.261	.156
72464	PUEBLO, COLORADO	.093	.068	.139	.123	.093	.087	.137	.103	.092	.091	.137	.124
72662	RAPID CITY, S. DAK.	.125	.064	.147	.111	.120	.097	.147	.071	.120	.093	.152	.120
72734	SAULT STE. MARIE	.326	.116	.198	.146	.276	.171	.245	.135	.276	.148	.198	.153
72666	SHERIDAN, WYOMING	.158	.084	.201	.115	.158	.108	.201	.085	.158	.097	.201	.125
72456	TOPEKA, KANSAS	.207	.092	.234	.128	.207	.140	.234	.101	.207	.123	.234	.158
72450	WICHITA, KANSAS	.153	.097	.135	.128	.158	.131	.135	.096	.158	.115	.140	.117
72767	WILLISTON, N. DAK.	.190	.105	.207	.147	.191	.137	.207	.128	.191	.117	.207	.149

PF = RELATIVE PRECIPITATION FREQUENCY
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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72462	ALAMOSA, COLORADO	.044	.019	.067	.048	.044	.035	.066	.028	.044	.025	.066	.049
99014	BURLINGTON, IOWA	.110	.087	.127	.089	.110	.091	.127	.095	.110	.097	.122	.095
72563	CASPER, WYOMING	.177	.082	.237	.157	.179	.117	.232	.113	.179	.106	.237	.156
72564	CHEYENNE, WYOMING	.144	.068	.188	.108	.144	.104	.188	.089	.144	.098	.188	.125
72546	DES MOINES, IOWA	.133	.065	.193	.107	.138	.100	.193	.091	.138	.104	.193	.123
72451	DODGE CITY, KANSAS	.094	.062	.083	.058	.094	.077	.083	.048	.094	.070	.083	.066
72476	GRAND JUNCTION, COLO	.099	.062	.094	.073	.099	.092	.094	.059	.100	.072	.095	.084
72654	HURON, S. DAK.	.144	.097	.117	.097	.138	.111	.116	.070	.138	.110	.110	.086
72747	INTERNATIONAL FALLS	.188	.105	.227	.150	.188	.133	.227	.110	.188	.126	.227	.142
72576	LANDER, WYOMING	.144	.049	.122	.084	.144	.102	.122	.061	.144	.086	.128	.106
72743	MARQUETTE, MICH.	.425	.160	.376	.136	.425	.234	.376	.147	.425	.216	.331	.216
72544	MOLINE, ILLINOIS	.128	.086	.134	.109	.128	.129	.190	.099	.128	.107	.202	.128
72464	PUEBLO, COLORADO	.062	.067	.100	.120	0.000	.021	.079	.064	0.000	.029	.100	.074
72662	RAPID CITY, S. DAK.	.227	.089	.182	.124	.227	.169	.182	.094	.227	.147	.182	.133
72734	SAULT STE. MARIE	.305	.138	.365	.175	.323	.176	.353	.128	.317	.170	.333	.200
72666	SHERIDAN, WYOMING	.237	.104	.233	.163	.287	.180	.238	.120	.287	.156	.238	.171
72456	TOPEKA, KANSAS	.127	.061	.105	.078	.133	.084	.105	.055	.133	.092	.105	.086
72450	WICHITA, KANSAS	.094	.060	.066	.044	.099	.076	.066	.043	.094	.075	.066	.063
72767	WILLISTON, N. DAK.	.193	.105	.166	.114	.188	.135	.166	.100	.193	.116	.166	.121

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		1ST PERIOD		2ND PERIOD		3RD PERIOD		1ST PERIOD		2ND PERIOD		3RD PERIOD	
NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72791	ASTORIA, OREGON	.228	.086	.228	.096	.228	.128	.228	.094	.228	.125	.230	.117
72677	BILLINGS, MONTANA	.125	.097	.174	.132	.125	.111	.174	.112	.125	.103	.174	.149
72486	ELY, NEVADA	.147	.101	.158	.118	.147	.120	.158	.108	.147	.103	.158	.122
72693	EUGENE, OREGON	.136	.036	.114	.061	.136	.081	.114	.049	.136	.065	.114	.071
72594	EUREKA, CALIFORNIA	.071	.027	.082	.051	.071	.053	.082	.031	.071	.043	.082	.060
72389	FRESNO, CALIFORNIA	0.000	.004	.016	.015	0.000	.003	.016	.010	0.000	.004	.016	.019
72768	GLASGOW, MONTANA	.153	.103	.147	.119	.152	.123	.142	.097	.152	.103	.147	.106
72777	HAVRE, MONTANA	.098	.068	.114	.099	.098	.085	.114	.071	.098	.079	.114	.105
72772	HELENA, MONTANA	.154	.112	.159	.116	.154	.126	.159	.120	.154	.131	.159	.133
72779	KALISPELL, MONTANA	.202	.082	.180	.128	.208	.134	.180	.078	.202	.125	.180	.129
72386	LAS VEGAS, NEVADA	.027	.025	.022	.028	.027	.029	.022	.025	.027	.026	.022	.025
72597	MEDFORD, OREGON	.076	.020	.092	.061	.076	.058	.092	.054	.076	.050	.092	.074
72773	MISSOULA, MONTANA	.201	.119	.168	.116	.201	.143	.169	.101	.202	.141	.169	.122
72792	OLYMPIA, WASHINGTON	.136	.047	.152	.105	.136	.084	.152	.072	.137	.066	.148	.094
72578	POCATELLO, IDAHO	.141	.095	.147	.126	.141	.122	.147	.098	.141	.108	.147	.118
72591	RED BLUFF, CALIF.	.055	.017	.055	.028	.055	.037	.055	.021	.055	.030	.055	.037
72488	RENO, NEVADA	.038	.024	.049	.048	.038	.034	.049	.045	.038	.041	.049	.051
72483	SACRAMENTO, CALIF.	.022	.006	.022	.012	.022	.015	.022	.011	.022	.015	.022	.014
72694	SALEM, OREGON	.174	.064	.120	.056	.174	.105	.120	.055	.174	.100	.120	.073
72290	SAN DIEGO, CALIF.	.011	.007	.005	.007	.011	.012	.005	.010	.011	.013	.005	.006
72785	SPOKANE, WASHINGTON	.103	.062	.120	.094	.103	.096	.120	.079	.103	.089	.120	.103
72492	STOCKTON, CALIFORNIA	.027	.012	.022	.013	.027	.022	.022	.009	.027	.016	.022	.020
72274	TUCSON, ARIZONA	.054	.043	.109	.086	.054	.048	.109	.091	.054	.062	.109	.092
72374	WINSLOW, ARIZONA	.065	.055	.114	.092	.065	.060	.114	.093	.065	.067	.114	.110
72781	YAKIMA, WASHINGTON	.033	.022	.033	.032	.033	.032	.033	.024	.033	.029	.033	.032

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NO.		PF	B	PF	B	PF	B	PF	B	PF	B	PF	B
72731	ASTORIA, OREGON	.652	.108	.624	.167	.652	.197	.624	.114	.652	.166	.624	.183
72677	BILLINGS, MONTANA	.204	.121	.204	.156	.204	.144	.204	.142	.200	.134	.206	.167
72476	ELY, NEVADA	.150	.088	.139	.083	.144	.110	.144	.064	.149	.101	.144	.095
72693	EUGENE, OREGON	.525	.080	.464	.145	.530	.130	.464	.120	.525	.167	.464	.177
72594	EUREKA, CALIFORNIA	.453	.084	.414	.128	.453	.192	.414	.084	.453	.153	.414	.192
72389	FRESNO, CALIFORNIA	.116	.036	.155	.062	.116	.075	.155	.052	.116	.068	.149	.080
72768	GLASGOW, MONTANA	.221	.131	.221	.150	.221	.159	.217	.113	.221	.148	.221	.146
72777	HAVRE, MONTANA	.166	.093	.215	.122	.166	.130	.215	.106	.166	.113	.215	.141
72772	HELENA, MONTANA	.160	.120	.193	.147	.160	.158	.193	.134	.160	.142	.193	.155
72779	KALISPELL, MONTANA	.337	.130	.315	.132	.337	.206	.315	.158	.337	.178	.315	.197
72386	LAS VEGAS, NEVADA	.033	.020	.011	.009	.033	.022	.011	.009	.033	.020	.011	.010
72597	MEDFORD, OREGON	.359	.094	.287	.150	.359	.132	.287	.147	.359	.163	.287	.131
72773	MISSOULA, MONTANA	.304	.168	.348	.198	.304	.215	.348	.167	.304	.191	.348	.219
72792	OLYMPIA, WASHINGTON	.525	.091	.508	.141	.525	.130	.508	.100	.525	.144	.503	.180
72578	POCATELLO, IDAHO	.254	.112	.320	.131	.254	.198	.320	.128	.254	.157	.320	.208
72591	RED BLUFF, CALIF.	.249	.066	.249	.122	.249	.110	.249	.095	.249	.096	.249	.122
72489	RENO, NEVADA	.144	.064	.144	.105	.144	.100	.144	.080	.144	.085	.144	.098
72483	SACRAMENTO, CALIF.	.188	.064	.215	.124	.188	.117	.215	.074	.188	.102	.221	.104
72694	SALEM, OREGON	.558	.101	.470	.158	.558	.209	.470	.136	.553	.132	.475	.206
72290	SAN DIEGO, CALIF.	.083	.040	.105	.064	.088	.068	.105	.038	.088	.053	.099	.073
72785	SPOKANE, WASHINGTON	.287	.118	.237	.147	.237	.135	.237	.112	.237	.135	.287	.131
72492	STOCKTON, CALIFORNIA	.227	.093	.210	.111	.227	.116	.216	.110	.232	.131	.211	.155
72274	TUCSON, ARIZONA	.055	.032	.039	.031	.055	.044	.039	.026	.061	.050	.044	.041
72374	WINSLOW, ARIZONA	.044	.025	.044	.041	.039	.040	.044	.032	.039	.029	.050	.038
72781	YAKIMA, WASHINGTON	.156	.094	.155	.110	.166	.123	.155	.038	.166	.130	.155	.122

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		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
518	ALBANY, NEW YORK	5.6	3.9	.5	7.0	5.2	-.5	5.6	4.3	.1	7.0	4.8	-.4	5.6	4.3	.2	6.8	5.4	-.9
509	BOSTON, MASS.	6.8	4.5	.5	4.1	3.0	-.6	6.7	5.4	-.2	4.1	2.8	-.8	6.7	5.2	.1	4.0	3.2	-1.0
528	BUFFALO, N. Y.	6.0	3.3	1.7	6.0	3.9	-1.5	5.8	4.0	2.3	6.0	3.6	-1.4	5.8	3.9	2.3	5.9	4.2	-1.6
617	BURLINGTON, VT.	6.6	4.3	1.8	7.2	4.7	-1.1	6.6	4.7	1.9	7.2	4.1	-.9	6.6	4.4	1.6	7.1	4.8	-1.3
712	CARIBOU, MAINE	6.1	5.2	-1.5	6.1	4.9	-3.8	6.1	6.1	-1.9	6.1	4.9	-4.1	6.1	5.9	-1.8	6.2	5.8	-4.1
208	CHARLESTON, S. C.	3.4	2.5	-.1	3.5	3.5	-1.2	3.5	2.8	-.5	3.5	3.1	-1.2	3.5	3.0	-1.1	3.5	3.5	-1.7
314	CHARLOTTE, N. C.	4.0	3.8	1.8	3.5	2.9	-1.1	4.0	4.1	1.2	3.5	2.7	-1.2	4.0	3.8	1.6	3.5	3.3	-1.7
421	CINCINNATI, OHIO	5.0	3.2	.2	5.2	3.7	-1.9	4.9	3.8	.4	5.2	3.8	-2.2	4.9	3.7	.5	5.1	4.0	-2.2
524	CLEVELAND, OHIO	6.4	3.7	2.5	6.0	4.3	-.9	6.2	4.5	2.8	6.0	3.6	-.6	6.2	4.2	3.0	5.9	4.5	-.9
428	COLUMBUS, OHIO	5.4	3.4	1.8	5.5	3.9	-1.0	5.1	3.8	2.2	5.5	3.9	-1.1	5.1	3.9	2.4	5.4	4.4	-1.4
317	GREENSBORO, N. C.	3.9	3.2	1.0	4.0	3.3	-1.0	4.0	3.5	.4	4.0	2.9	-.7	4.0	3.6	.5	4.0	3.4	-1.0
508	HARTFORD, CONN.	6.2	5.1	-1.2	6.1	4.8	-1.9	6.2	5.5	-1.2	6.1	4.5	-1.9	6.2	5.5	-1.3	6.0	5.1	-2.6
503	NEW YORK, N. Y.	5.4	4.1	-.6	4.0	3.2	-.3	5.4	4.6	-.8	4.0	2.9	-.6	5.4	4.4	-.7	3.9	3.2	-.7
308	NORFOLK, VIRGINIA	4.8	3.8	1.0	4.2	3.4	-1.8	5.0	4.1	1.0	4.2	3.2	-1.5	5.0	4.0	.2	4.2	3.8	-2.3
408	PHILADELPHIA, PA.	5.0	3.7	.2	4.6	3.8	-2.1	5.0	4.1	.3	4.6	3.6	-2.0	5.0	4.1	-.0	4.6	4.1	-2.6
520	PITTSBURGH, PA.	5.0	3.1	.9	5.8	4.1	-1.0	4.9	3.7	.7	5.8	3.8	-.9	4.9	3.4	.8	5.7	4.3	-1.1
606	PORTLAND, MAINE	6.3	4.3	-.3	5.0	4.5	-3.5	6.3	5.0	-.6	5.0	4.6	-3.9	6.3	4.9	-.3	5.0	5.4	-4.4
306	RALEIGH, N. C.	3.8	2.9	1.8	4.1	3.4	.9	3.7	3.2	1.5	4.1	2.9	.2	3.7	3.1	1.5	4.1	3.3	.5
401	RICHMOND, VIRGINIA	4.4	3.2	-.9	4.8	3.4	-1.1	4.5	4.0	-1.9	4.8	3.1	-1.3	4.5	3.9	-1.9	4.7	3.7	-1.7
405	WASHINGTON, D. C.	4.8	3.4	-1.2	4.4	3.4	-1.3	4.8	3.8	-1.5	4.4	3.3	-1.5	4.8	3.9	-1.7	4.3	3.5	-1.7
514	WILLIAMSPORT, PA.	4.2	3.5	1.6	5.6	6.0	-4.3	4.2	3.8	1.4	5.6	5.4	-3.5	4.2	3.6	1.6	5.4	6.2	-4.3

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

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NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
518	ALBANY, NEW YORK	7.3	4.7	.3	9.8	6.6	-.1	7.4	5.1	.9	9.8	6.0	-.5	7.4	4.9	.3	10.0	6.7	-.0
509	BOSTON, MASS.	6.2	4.2	1.4	5.0	3.6	-1.0	6.1	4.7	1.7	5.0	3.4	-1.3	6.1	4.4	1.2	5.1	4.0	-1.2
523	BUFFALO, N. Y.	7.0	4.2	2.3	6.5	4.3	-1.3	7.0	5.4	3.4	6.5	4.2	-1.6	7.0	4.9	2.6	6.5	4.6	-.9
617	BURLINGTON, VT.	7.0	4.5	3.4	9.9	7.3	-.5	6.9	5.9	4.5	9.9	6.8	-.3	6.9	5.0	3.5	10.0	7.5	.0
712	CARIBOU, MAINE	6.3	4.2	-.5	8.3	6.9	-2.0	6.3	5.1	.4	8.9	6.6	-2.2	6.3	4.7	-.1	8.9	7.6	-1.8
203	CHARLESTON, S. C.	7.3	4.2	-.4	8.4	5.2	-1.2	7.4	4.8	.7	8.4	4.9	-2.3	7.4	4.3	-.4	8.4	5.4	-.5
314	CHARLOTTE, N. C.	8.1	5.1	1.2	8.6	4.4	-.6	8.2	5.3	1.4	8.6	4.3	-1.5	8.2	6.0	.7	8.4	4.9	-.5
421	CINCINNATI, OHIO	8.8	5.1	1.3	8.3	5.0	-2.4	8.8	6.8	2.6	8.5	4.7	-2.4	8.8	6.1	1.0	8.4	5.2	-1.8
524	CLEVELAND, OHIO	8.0	4.8	3.3	7.1	4.4	-.5	8.0	5.7	3.3	7.1	4.1	-.4	8.0	5.2	2.7	7.1	4.7	-.0
428	COLUMBUS, OHIO	8.3	5.0	1.5	8.0	4.8	-1.1	8.2	6.4	2.3	8.0	4.3	-.7	8.2	5.8	1.6	8.0	5.0	-.3
317	GREENSBORO, N. C.	8.4	4.8	.7	8.7	5.1	-.3	8.4	5.3	1.2	8.7	4.7	-1.0	8.4	5.5	.5	8.5	5.5	-.1
503	HARTFORD, CONN.	6.8	4.6	1.0	6.8	4.8	-2.0	6.7	4.8	1.3	6.8	4.7	-2.0	6.7	4.7	1.0	7.0	5.1	-1.9
503	NEW YORK, N. Y.	6.6	4.3	.6	5.5	3.6	-1.0	6.4	4.6	.7	5.5	3.6	-1.2	6.4	4.4	.4	5.6	3.5	-1.0
308	NORFOLK, VIRGINIA	8.7	4.7	-.7	7.0	4.5	-2.4	8.8	6.1	.4	7.0	3.9	-3.1	8.8	5.6	-.5	7.1	4.6	-2.0
408	PHILADELPHIA, PA.	6.5	4.4	.2	5.7	4.3	-2.5	6.3	4.3	.3	5.7	3.8	-2.4	6.3	4.7	-.0	5.7	4.3	-2.4
520	PITTSBURGH, PA.	8.3	4.7	1.9	7.5	4.5	-1.3	8.8	6.1	2.1	7.5	4.1	-1.4	8.8	5.3	.3	7.4	4.7	-.9
606	PORTLAND, MAINE	5.6	4.3	2.6	7.9	6.7	-1.7	5.5	5.0	2.9	7.9	5.8	-1.2	5.5	4.7	2.8	7.9	7.2	-1.3
306	RALEIGH, N. C.	8.3	4.9	-.0	9.1	4.9	-.7	8.3	5.5	.8	9.1	4.4	-1.3	8.3	5.6	-.3	9.0	5.2	-.2
401	RICHMOND, VIRGINIA	8.0	5.1	.7	7.9	4.5	-1.4	8.0	5.7	1.5	7.9	4.1	-1.5	8.0	5.5	.7	7.9	4.3	-1.0
405	WASHINGTON, D. C.	7.0	4.3	-.3	5.4	3.3	-1.1	7.0	5.0	.1	5.4	3.2	-.9	7.0	4.3	-.5	5.4	4.0	-.7
514	WILLIAMSPORT, PA.	6.0	4.2	-.8	6.4	6.1	-4.5	5.9	4.7	-1.2	6.4	5.8	-4.3	5.9	4.6	-1.7	6.6	6.3	-4.2

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
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TG = MEAN ALGEBRAIC FORECAST ERROR

NMC TEMPERATURE FORECASTS MAY 1970 - OCT 1970

SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
365	ALBUQUERQUE, N. M.	5.5	3.8	1.1	4.1	3.3	.7	5.5	4.6	.5	4.1	3.1	.1	5.5	4.2	1.2	4.1	3.6	.9
363	AMARILLO, TEXAS	5.9	4.1	.2	4.5	3.8	-.9	6.0	5.4	-.8	4.5	3.6	-1.2	6.0	5.0	-.4	4.6	4.2	-1.1
311	ATHENS, GEORGIA	3.5	3.5	-1.1	3.2	2.8	-.9	3.6	4.3	-1.8	3.1	2.4	-1.0	3.6	4.3	-2.1	3.1	2.8	-1.4
219	ATLANTA, GEORGIA	3.3	2.8	.1	2.4	2.4	-.7	3.3	3.4	-.5	2.4	2.2	-.9	3.3	3.2	-.5	2.5	2.6	-1.2
218	AUGUSTA, GEORGIA	3.5	2.6	.2	3.5	3.7	-1.2	3.5	3.0	-.2	3.3	3.2	-1.6	3.5	3.2	-.5	3.3	4.2	-2.2
228	BIRMINGHAM, ALABAMA	3.4	3.0	.5	3.9	3.3	.0	3.3	3.8	.4	3.9	2.9	-.1	3.3	3.5	.1	3.9	3.3	-.3
250	BROWNSVILLE, TEXAS	2.5	2.2	-.5	2.8	2.8	-.8	2.5	2.6	-1.0	2.8	2.5	-.5	2.5	2.7	-1.5	2.8	3.1	-1.2
261	DEL RIO, TEXAS	3.2	2.6	.3	3.3	3.4	-.6	3.1	3.4	.0	3.3	3.1	-.0	3.1	3.1	-.4	3.3	3.4	-.2
270	EL PASO, TEXAS	4.3	3.3	.9	4.3	4.5	-.0	4.3	4.0	.5	4.3	3.9	-.2	4.3	3.6	.3	4.3	4.4	-.1
259	FORTWORTH, TEXAS	3.4	3.2	1.0	3.4	3.8	.8	3.5	4.1	1.2	3.4	2.9	.3	3.5	3.5	.6	3.4	3.8	.4
243	HOUSTON, TEXAS	2.9	2.6	1.0	3.3	3.5	1.0	2.9	2.9	1.1	3.3	3.0	.6	2.9	2.9	.5	3.3	3.9	.9
235	JACKSON, MISS.	3.4	2.7	.1	3.8	3.4	.2	3.3	3.2	-.3	3.8	2.8	-.1	3.4	3.3	-1.1	3.7	3.4	-.3
206	JACKSONVILLE, FLA.	3.0	2.6	.7	2.6	2.6	-.9	3.0	2.9	.8	2.6	2.5	-.7	3.0	2.7	-.3	2.5	2.7	-1.0
201	KEY WEST, FLORIDA	1.1	1.7	1.5	1.2	1.4	.1	1.1	2.1	2.1	1.2	1.4	.1	1.1	2.0	2.0	1.2	1.5	.1
326	KNOXVILLE, TENNESSEE	3.7	2.9	1.2	3.5	3.2	-1.4	3.7	3.5	1.4	3.5	2.8	-1.3	3.7	3.4	1.4	3.5	3.3	-1.8
240	LAKE CHARLES, LA.	3.1	2.7	.4	2.6	2.7	-.1	3.1	3.1	.3	2.6	2.3	-.4	3.1	3.3	-.7	2.5	2.9	-.8
340	LITTLE ROCK, ARK.	4.0	3.5	.2	4.0	3.7	-.3	4.1	3.7	-.0	4.0	3.1	-.5	4.1	4.0	-.3	3.9	3.8	-.6
423	LOUISVILLE, KENTUCKY	4.6	3.1	1.5	4.9	3.6	-.2	4.5	4.0	2.4	4.9	3.2	-.1	4.5	3.4	1.5	4.9	3.9	-.5
334	MEMPHIS, TENNESSEE	3.5	2.9	1.0	4.2	3.8	-1.3	3.5	3.5	1.1	4.2	3.2	-1.3	3.5	3.4	.5	4.2	4.0	-1.5
202	MIAMI, FLORIDA	1.4	1.3	.2	1.9	2.5	-1.9	1.5	1.4	-.0	1.9	2.3	-1.4	1.5	1.4	.0	1.9	2.5	-1.9
223	MOBILE, ALABAMA	3.2	2.9	-1.4	2.6	3.0	-3.4	3.1	3.7	-2.1	2.6	3.4	-2.9	3.1	3.4	-2.0	2.5	4.4	-3.9
226	MONTGOMERY, ALABAMA	3.1	2.5	.8	3.0	2.7	-.1	3.2	3.0	.5	3.0	2.9	.2	3.2	2.9	.2	3.0	2.9	-.6
327	NASHVILLE, TENNESSEE	4.1	3.1	1.5	4.1	3.4	-.1	4.0	3.6	1.7	4.1	2.7	-.2	4.0	3.6	1.4	4.1	3.6	-.6
231	NEW ORLEANS, LA.	2.8	2.4	-.6	3.0	3.1	-.0	2.7	2.9	-1.0	3.0	2.7	-.2	2.7	3.1	-1.6	3.0	3.1	-.1
353	OKLAHOMA CITY, OKLA.	5.1	3.1	5.4	4.3	3.6	-.5	5.1	4.9	.7	4.3	3.3	-.8	5.1	4.8	.1	4.3	3.8	-.9
205	ORLANDO, FLORIDA	1.9	1.9	.2	1.6	1.7	-.9	1.9	2.0	-.2	1.6	1.7	-.9	1.9	2.0	.1	1.6	1.9	-1.0
278	PHOENIX, ARIZONA	2.7	2.4	.8	3.1	4.5	-3.7	2.6	3.0	.5	3.1	3.8	-3.0	2.6	3.2	.1	3.2	4.6	-4.0
253	SAN ANTONIO, TEXAS	2.9	2.7	.5	3.6	4.2	-1.0	2.8	3.1	.4	3.6	3.3	-1.0	2.8	3.0	-.0	3.6	4.5	-1.6
248	SHREVEPORT, LA.	3.2	2.6	.4	3.4	3.4	-.8	3.0	3.1	.5	3.4	3.1	-1.2	3.0	3.1	-.7	3.4	3.9	-1.6
211	TAMPA, FLORIDA	2.0	1.8	-.1	2.3	2.1	.3	2.0	2.1	-.5	2.3	1.9	.3	2.0	2.0	-.2	2.3	2.0	.3

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NMC TEMPERATURE FORECASTS NOV 1970 - APR 1971

SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
365	ALBUQUERQUE, N. M.	5.9	3.3	-.3	6.0	4.4	-.2	5.9	5.0	-1.8	6.0	3.9	-.4	5.9	5.0	-2.2	5.9	4.6	-.9
363	AMARILLO, TEXAS	10.6	5.3	.2	7.8	4.8	-2.0	10.5	6.6	-.1	7.8	4.6	-2.3	10.5	5.3	-.5	7.7	5.4	-3.2
311	ATHENS, GEORGIA	3.3	5.7	1.4	3.1	5.0	-1.3	3.3	6.2	2.2	8.1	5.0	-2.4	8.3	6.2	1.3	8.0	5.7	-1.1
213	ATLANTA, GEORGIA	7.6	4.3	-.4	8.0	4.5	-.5	7.7	5.8	.3	8.0	4.2	-1.5	7.7	5.7	-1.0	7.8	4.3	-.1
214	AUGUSTA, GEORGIA	7.3	4.2	.8	8.6	5.5	.6	7.5	4.8	1.6	8.6	4.5	-.2	7.5	4.9	.4	8.5	5.7	.9
224	BIRMINGHAM, ALABAMA	7.5	4.5	2.1	9.6	5.2	.2	7.5	6.4	3.2	9.6	4.6	.1	7.5	5.6	1.2	9.3	5.7	1.1
250	BROWNSVILLE, TEXAS	5.6	3.7	.3	6.3	5.7	-3.2	5.6	4.3	-.7	6.3	5.0	-2.3	5.6	5.3	-2.7	6.8	6.7	-4.3
261	DEL RIO, TEXAS	7.1	4.8	-1.0	6.5	4.6	-1.5	7.1	5.9	-.8	6.5	4.5	-1.5	7.1	6.7	-3.7	6.4	5.5	-2.1
270	EL PASO, TEXAS	5.6	3.4	-1.6	7.8	5.6	-1.9	5.6	5.0	-3.3	7.8	5.4	-1.9	5.6	5.2	-3.7	7.8	6.0	-2.6
259	FORTWORTH, TEXAS	8.8	5.6	-.5	9.3	5.6	-2.0	8.8	6.4	.4	9.3	5.4	-1.2	9.3	6.4	-1.6	9.4	5.6	-1.3
243	HOUSTON, TEXAS	6.4	4.2	.7	10.0	6.7	.5	6.5	4.9	.1	10.0	6.1	-.8	6.5	5.0	-1.9	9.9	6.5	-.3
235	JACKSON, MISS.	8.5	4.6	.8	10.5	5.8	-.9	8.5	5.8	1.3	10.5	5.2	-.7	8.5	5.5	-.6	10.3	6.3	-.2
206	JACKSONVILLE, FLA.	6.7	3.9	-.3	8.2	5.3	1.3	6.9	4.4	.7	8.2	4.7	.5	6.9	4.3	-.5	8.3	5.9	2.9
201	KEY WEST, FLORIDA	3.0	1.9	-.1	3.6	2.2	-.3	3.0	2.1	-.1	3.6	2.2	-.4	3.0	2.1	-.2	3.6	2.4	-.3
326	KNOXVILLE, TENNESSEE	8.8	5.4	.5	8.6	5.9	-1.6	8.7	6.0	1.3	8.6	5.4	-1.5	8.7	6.2	-.1	8.4	6.1	-1.1
240	LAKE CHARLES, LA.	6.1	3.7	.6	7.9	5.6	-.0	6.2	4.4	.1	7.9	5.1	-.6	6.2	4.4	-1.6	7.7	5.8	.0
340	LITTLE ROCK, ARK.	8.0	5.4	.8	9.4	5.4	-.8	8.1	6.6	1.6	9.4	5.1	-.4	8.1	6.2	-.5	9.4	5.7	-.6
423	LOUISVILLE, KENTUCKY	8.7	4.9	2.5	8.7	5.1	-1.6	8.6	6.6	3.4	8.7	4.9	-1.4	8.6	5.7	2.1	8.3	5.5	-1.2
334	MEMPHIS, TENNESSEE	8.4	4.3	1.1	9.4	5.3	-2.1	8.4	6.0	2.2	9.4	4.7	-1.9	8.4	5.5	-.0	9.5	5.6	-1.7
202	MIAMI, FLORIDA	3.7	2.3	-.6	6.5	4.6	-1.3	3.7	2.8	-.9	6.5	4.2	-1.0	3.7	2.6	-1.2	6.2	4.8	-1.1
223	MOBILE, ALABAMA	6.3	3.7	-.1	8.8	5.1	-2.2	6.3	4.3	.3	8.3	4.5	-2.4	6.3	4.4	-.5	8.6	5.3	-1.4
226	MONTGOMERY, ALABAMA	7.4	4.1	.6	9.1	5.0	-.6	7.4	5.0	1.5	9.1	4.7	-.5	7.4	4.3	-.4	9.3	5.3	.2
327	NASHVILLE, TENNESSEE	9.6	5.3	1.3	10.3	5.5	-1.0	9.7	7.6	3.2	10.3	4.8	-.6	8.7	6.5	1.7	10.6	5.8	-.7
231	NEW ORLEANS, LA.	6.9	3.8	.7	9.7	6.5	1.3	6.9	4.3	1.1	9.7	5.9	.3	6.9	4.3	.1	9.5	6.9	2.1
353	OKLAHOMA CITY, OKLA.	9.1	5.7	.0	9.1	5.2	-2.4	9.1	6.9	1.2	9.1	5.4	-2.5	9.1	6.4	-.7	9.0	5.6	-2.9
205	ORLANDO, FLORIDA	5.9	3.6	-1.3	5.8	4.2	.5	6.0	3.9	-.9	5.8	3.8	-.2	6.0	3.9	-1.4	5.8	4.7	1.7
279	PHOENIX, ARIZONA	3.7	2.8	-.6	4.2	4.6	-3.4	3.7	4.0	-2.3	4.2	4.1	-3.1	3.7	4.1	-2.7	4.3	5.2	-4.6
253	SAN ANTONIO, TEXAS	7.3	5.2	-1.8	10.1	6.7	-2.1	7.2	6.1	-1.7	10.1	6.7	-1.8	7.2	7.1	-3.9	10.1	6.9	-2.6
248	SHREVEPORT, LA.	8.3	4.7	-.1	9.1	5.7	-1.4	8.3	6.0	.5	9.1	5.5	-1.4	8.3	5.7	-1.3	9.1	6.2	-1.2
211	TAMPA, FLORIDA	5.2	2.9	.0	7.2	5.5	1.5	5.2	3.3	.1	7.2	4.9	.5	5.2	3.2	-.0	7.3	5.9	2.8

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NMC TEMPERATURE FORECASTS MAY 1970 - OCT 1970

CENTRAL REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
569	CASPER, WYOMING	6.4	4.1	-.7	5.5	3.6	.6	6.4	5.5	-2.1	5.5	3.5	-.3	6.5	4.3	-.4	5.5	4.0	.5
534	CHICAGO, ILLINOIS	6.4	3.9	.1	5.8	5.3	-4.6	6.1	4.3	.6	5.8	5.4	-3.2	6.1	4.2	.4	5.8	6.1	-4.1
445	COLUMBIA, MISSOURI	5.6	4.8	3.3	4.8	3.4	-.7	5.6	5.3	3.2	4.8	3.2	-1.0	5.6	4.7	2.6	4.8	3.5	-1.0
469	DENVER, COLO.	6.4	4.3	-.3	4.4	3.8	1.2	6.4	6.6	-2.4	4.4	3.5	1.0	6.4	5.7	.1	4.4	4.4	1.2
546	DES MOINES, IOWA	5.8	4.2	1.8	5.4	3.9	-1.0	5.8	5.1	2.4	5.4	3.8	-2.2	5.8	4.5	.9	5.3	4.4	-1.8
537	DETROIT, MICHIGAN	6.1	3.8	.9	6.3	4.1	-.6	6.0	4.4	1.2	6.3	3.9	.5	6.0	4.1	.7	6.1	4.4	-.8
451	DODGE CITY, KANSAS	7.2	4.8	1.1	5.1	3.5	-.3	7.2	6.0	-.1	5.1	3.4	-.4	7.2	5.8	-.4	5.1	3.8	-.4
476	GRAND JUNCTION, COLO	4.2	3.7	-.5	5.0	3.5	.3	4.1	4.8	-.9	5.0	3.4	.1	4.1	4.0	-.2	5.0	3.8	.4
635	GRAND RAPIDS, MICH.	6.3	4.0	1.6	7.1	4.3	-.7	6.2	4.8	2.4	7.1	4.1	-.5	6.2	4.6	1.6	6.9	4.6	-.6
645	GREEN BAY, WISC.	6.4	4.4	.4	6.1	3.9	-1.0	6.3	4.9	1.1	6.1	4.5	-.5	6.3	5.0	.4	6.2	4.9	-.6
654	HURON, S. DAK.	7.3	4.9	.7	7.4	4.8	-1.9	7.1	5.7	-.1	7.4	4.6	-1.3	7.1	5.2	-.3	7.1	5.2	-1.7
438	INDIANAPOLIS, IND.	5.0	3.3	.5	6.2	4.2	-1.4	5.0	4.0	1.0	6.2	4.1	-1.5	5.0	3.8	.5	6.1	4.8	-1.9
747	INTERNATIONAL FALLS	6.9	4.6	1.5	6.9	4.3	-2.4	6.7	5.5	1.7	6.9	4.5	-2.7	6.7	5.2	.2	7.0	4.9	-2.9
446	KANSAS CITY, MO.	5.7	4.5	.7	5.4	3.7	-1.8	5.7	5.2	.2	5.4	3.7	-1.6	5.7	5.1	.0	5.4	4.2	-1.9
576	LANDER, WYOMING	6.1	3.5	.1	4.6	3.5	-1.0	6.2	4.4	-.7	4.6	3.1	-1.2	6.2	3.8	.6	4.7	4.1	-1.0
658	MINNEAPOLIS, MINN.	6.1	4.6	1.4	6.0	3.9	-1.1	5.9	5.1	2.5	6.0	3.9	-2.0	5.9	4.5	.4	6.0	4.2	-1.7
562	NORTH PLATTE, NEBR.	7.3	9.8	4.5	6.4	4.5	.0	7.1	5.9	-1.6	6.4	4.4	.4	7.1	5.6	-1.3	6.5	5.0	.0
532	PEORIA, ILLINOIS	6.1	4.5	3.1	5.8	3.7	-.4	6.1	5.3	3.9	5.8	4.2	.2	6.1	4.8	2.8	5.7	4.7	-.1
464	PUEBLO, COLORADO	6.2	5.2	-2.4	5.1	4.5	-2.6	6.1	6.8	-3.9	5.1	4.6	-2.9	6.1	6.0	-2.8	5.0	4.8	-2.8
662	RAPID CITY, S. DAK.	7.6	4.5	1.4	5.7	3.4	.5	7.5	6.2	-1.0	5.7	3.2	.1	7.5	5.3	1.2	5.6	3.6	.8
734	SAULT STE MARIE	5.9	4.2	1.2	7.0	4.5	-.3	5.9	4.7	1.9	7.0	4.2	-.4	5.9	4.6	1.5	7.0	4.6	-.3
434	ST. LOUIS, MO.	5.9	4.1	2.1	5.1	3.5	.6	5.8	4.9	2.2	5.1	3.2	-.0	5.8	4.2	1.7	5.0	3.7	.1
450	WICHITA, KANSAS	6.0	4.8	1.0	5.5	4.0	-.2	6.1	5.6	.5	5.5	3.9	-.4	6.1	5.6	-.3	5.5	4.4	-.3
767	WILLISTON, N. DAK.	6.8	4.0	.4	6.0	4.6	.6	6.8	5.7	-1.7	6.0	4.2	-.1	6.8	4.3	-.4	5.9	4.6	-.1

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

NMC TEMPERATURE FORECASTS NOV 1970 - APR 1971

CENTRAL REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
569	CASPER, WYOMING	7.3	4.5	.1	8.9	6.5	-3.7	7.4	5.7	-1.4	8.9	6.2	-3.4	7.4	5.4	-1.5	8.9	7.9	-6.2
534	CHICAGO, ILLINOIS	7.7	7.1	-3.8	7.8	5.8	-4.5	7.7	7.1	-2.8	7.8	5.3	-3.8	7.6	7.3	-3.6	7.8	6.2	-3.9
445	COLUMBIA, MISSOURI	9.3	5.4	.6	7.5	5.0	-3.0	9.3	6.8	1.8	7.5	4.7	-2.9	9.3	6.7	.0	7.5	5.6	-3.5
469	DENVER, COLO.	9.4	5.4	-1.9	6.4	4.8	-2.4	9.5	7.0	-3.1	6.4	4.7	-2.6	9.5	6.5	-3.1	6.4	6.6	-4.4
546	DES MOINES, IOWA	8.1	4.9	-1.3	7.9	5.7	-3.2	8.2	5.6	-.1	7.9	5.4	-3.2	8.2	5.5	-1.2	7.9	5.9	-3.4
537	DETROIT, MICHIGAN	6.6	4.4	1.5	6.9	4.4	.3	6.6	5.3	1.7	6.9	4.1	.1	6.6	5.2	.8	6.9	4.6	.6
451	DODGE CITY, KANSAS	10.1	6.5	2.0	7.5	4.9	-1.7	10.1	8.9	2.1	7.5	5.2	-2.2	10.1	8.0	1.0	7.4	5.8	-2.8
476	GRAND JUNCTION, COLO	5.1	4.6	-2.5	5.7	5.1	-.4	5.1	6.3	-4.1	5.7	4.4	-.3	5.1	6.3	-4.3	5.6	5.4	-1.0
635	GRAND RAPIDS, MICH.	6.5	4.8	-.1	7.8	5.0	-.6	6.4	5.2	.6	7.3	4.9	-1.0	6.5	5.1	0.0	7.9	5.0	-.3
645	GREEN BAY, WISC.	6.2	4.1	1.5	9.3	5.9	-.7	6.1	4.9	2.4	9.4	5.5	-.7	6.2	4.1	1.5	9.4	6.0	-.5
654	HURON, S. DAK.	8.4	5.1	1.3	9.4	7.6	-3.3	8.5	6.4	2.0	9.4	6.8	-3.0	8.5	5.7	.9	9.3	8.2	-4.0
438	INDIANAPOLIS, IND.	8.0	5.2	1.2	8.2	5.1	-1.2	8.0	6.3	1.6	8.2	4.8	-1.3	8.0	5.9	.2	8.3	5.4	-1.0
747	INTERNATIONAL FALLS	6.8	3.9	1.7	10.5	7.8	-1.8	6.6	4.9	2.2	10.5	7.4	-2.5	6.6	4.5	1.2	10.6	7.9	-1.9
446	KANSAS CITY, MO.	9.4	6.2	-.5	9.2	5.3	-3.7	9.4	7.0	.2	9.2	6.0	-4.0	9.4	7.2	-1.0	8.2	6.1	-4.3
576	LANDER, WYOMING	7.0	4.2	-.4	7.4	6.6	-4.2	7.1	5.3	-1.3	7.4	5.6	-3.2	7.1	5.0	-1.1	7.4	7.5	-5.5
658	MINNEAPOLIS, MINN.	7.1	4.5	1.9	8.1	6.4	-2.9	7.3	6.1	2.9	8.1	5.8	-2.8	7.3	5.2	1.4	8.1	7.6	-3.1
562	NORTH PLATTE, NEBR.	10.3	5.7	.5	6.8	7.2	-4.6	10.4	7.1	.5	6.8	6.2	-3.7	10.4	6.6	-.7	7.1	7.7	-5.0
532	PEORIA, ILLINOIS	8.0	5.6	-1.7	7.6	4.8	-2.0	7.9	6.1	-.5	7.6	4.3	-1.6	7.9	6.2	-1.3	7.7	5.0	-1.9
464	PUEBLO, COLORADO	9.3	6.4	-3.1	7.5	6.3	-3.9	9.3	7.6	-3.9	7.5	5.3	-2.6	9.3	7.4	-4.1	7.4	6.4	-4.1
662	RAPID CITY, S. DAK.	10.2	6.5	3.0	7.9	5.7	-2.1	10.2	8.1	3.0	7.9	5.7	-2.3	10.2	7.3	1.8	8.0	6.8	-3.6
734	SAULT STE MARIE	5.9	3.8	2.2	7.8	5.8	.5	5.8	4.7	2.6	7.8	5.2	-.3	5.8	4.2	1.9	7.7	5.8	.4
434	ST. LOUIS, MO.	9.6	5.4	.6	8.2	5.0	-1.1	9.6	6.7	1.3	8.2	4.5	-.9	9.6	6.6	.3	8.3	5.2	-1.5
450	WICHITA, KANSAS	9.7	6.1	2.2	8.9	5.3	-.3	9.7	8.3	3.1	8.9	5.3	-1.2	8.7	7.3	1.0	8.8	5.8	-1.7
767	WILLISTON, N. DAK.	8.0	5.1	1.9	8.2	6.3	-2.3	8.2	6.3	2.2	8.2	6.3	-3.0	8.2	5.9	.9	8.2	7.1	-3.5

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NMC TEMPERATURE FORECASTS MAY 1970 - OCT 1970

WESTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
677	BILLINGS, MONTANA	6.9	4.0	1.4	4.8	3.6	-.9	6.9	5.5	-1.0	4.8	3.4	-1.3	6.9	4.7	-.3	4.9	4.4	-2.0
681	BOISE, IDAHO	5.9	4.8	3.2	5.9	4.9	-2.8	6.0	5.5	1.5	5.9	4.6	-2.7	6.1	5.0	1.3	5.8	5.9	-4.3
486	ELY, NEVADA	5.1	3.5	1.8	5.5	4.1	-.8	5.1	5.1	1.9	5.5	3.7	-1.0	5.1	4.5	1.5	5.4	4.5	-1.2
594	EUREKA, CALIFORNIA	2.9	2.9	.9	2.2	2.0	-.1	2.8	3.3	1.0	2.2	1.9	-.2	2.8	3.4	.9	2.3	1.9	-.3
389	FRESNO, CALIFORNIA	3.8	3.0	-.6	3.1	3.4	-1.9	3.8	3.6	-.4	3.1	3.3	-2.1	3.8	3.4	-1.0	3.1	3.7	-2.3
768	GLASGOW, MONTANA	7.0	4.3	2.2	5.2	3.8	-.7	6.9	5.2	-.5	5.2	3.4	-.9	6.9	4.3	.5	5.4	4.2	-1.6
775	GREAT FALLS, MONTANA	7.0	4.2	2.1	5.5	3.9	-.5	7.2	5.4	-.3	5.5	3.8	-1.3	7.2	4.4	.1	5.6	4.1	-2.2
772	HELENA, MONTANA	6.2	4.1	2.6	4.9	4.1	.6	6.1	5.1	.2	4.9	3.5	-.2	6.2	4.4	.5	5.0	4.2	-.3
386	LAS VEGAS, NEVADA	4.6	3.2	1.8	4.2	3.9	-2.0	4.1	4.0	2.0	4.2	3.5	-2.0	4.1	3.6	1.4	4.2	4.5	-2.1
295	LOS ANGELES, CALIF.	3.2	3.2	1.2	1.8	2.3	-1.0	3.1	4.2	1.9	1.8	2.0	-.8	3.1	4.1	1.7	1.8	2.3	-.8
597	MEDFORD, OREGON	5.4	3.7	.6	5.1	4.0	-2.2	5.3	4.6	-.3	5.1	3.9	-2.3	5.3	4.5	-1.6	5.2	4.6	-3.4
773	MISSOULA, MONTANA	6.4	4.5	2.1	4.8	4.0	-.9	6.4	5.5	1.5	4.8	3.5	-1.2	6.4	4.9	1.0	4.8	4.4	-1.7
688	PENDLETON, OREGON	5.6	3.7	.9	4.4	3.3	.3	5.6	5.1	.4	4.4	3.2	-.5	5.6	4.6	-.8	4.4	3.9	-1.1
578	POCATELLO, IDAHO	5.8	4.5	2.9	6.3	4.6	-.9	5.8	5.3	1.3	6.3	4.3	-.8	5.8	5.1	1.7	6.3	5.3	-1.4
698	PORTLAND, OREGON	6.2	4.5	-1.7	4.4	3.8	-1.9	6.0	5.7	-2.4	4.4	3.7	-2.1	6.0	5.8	-3.5	4.4	4.5	-3.2
488	RENO, NEVADA	4.9	3.7	-.3	5.5	4.9	-2.8	4.9	4.7	-.2	5.5	4.8	-2.5	4.9	4.4	-1.1	5.4	5.5	-3.4
483	SACRAMENTO, CALIF.	4.6	4.8	-.8	3.2	3.5	-2.1	4.6	5.3	-.1	3.2	3.5	-2.5	4.6	5.1	-.8	3.3	3.6	-2.2
572	SALT LAKE CITY, UTAH	5.0	3.9	2.0	5.4	3.8	-.8	5.1	4.7	1.6	5.4	3.6	-.7	5.1	4.2	1.6	5.3	4.2	-1.5
290	SAN DIEGO, CALIF.	2.4	3.4	2.6	1.3	2.6	-2.1	2.3	4.1	2.8	1.3	2.6	-2.3	2.3	3.9	2.4	1.3	2.6	-2.1
494	SAN FRANCISCO, CALIF	4.9	4.5	-.4	2.1	2.4	-.9	4.9	4.9	-.0	2.1	2.2	-.6	4.9	5.1	-.2	2.1	2.4	-1.2
793	SEATTLE, WASHINGTON	5.2	3.5	.8	3.4	3.5	-2.9	5.3	4.3	.5	3.4	3.1	-2.6	5.3	4.1	-.6	3.4	4.3	-3.9
785	SPOKANE, WASHINGTON	5.6	3.6	.8	4.8	3.8	-1.2	5.6	4.7	.0	4.8	3.7	-1.8	5.6	4.3	-.8	4.8	4.4	-2.4
781	YAKIMA, WASHINGTON	4.4	2.8	.5	5.4	4.8	-3.2	4.3	3.6	.5	5.4	4.9	-3.5	4.3	3.3	-.7	5.3	5.6	-4.1

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NMC TEMPERATURE FORECASTS NOV 1970 - APR 1971

WESTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
677	BILLINGS, MONTANA	9.8	6.7	3.0	7.6	5.4	-1.0	9.9	7.5	3.0	7.6	5.0	-1.5	9.9	7.0	2.0	7.5	6.3	-2.7
681	BOISE, IDAHO	4.9	3.6	.3	5.9	6.0	-5.4	5.0	4.1	-.3	5.9	5.2	-4.3	5.0	4.1	-.3	5.3	6.9	-6.5
486	ELY, NEVADA	6.3	4.3	-.7	8.1	7.1	-4.1	6.3	5.8	-2.4	8.1	6.3	-3.6	8.3	7.6	-3.1	7.8	8.4	-6.1
594	EUREKA, CALIFORNIA	2.9	2.5	.9	3.9	3.5	-1.8	2.9	2.9	.8	3.9	3.3	-1.8	2.9	2.8	.7	3.7	4.1	-2.9
389	FRESNO, CALIFORNIA	4.0	3.7	-.4	4.8	4.0	-1.9	4.1	4.5	-1.1	4.3	3.8	-1.2	4.1	4.5	-1.1	4.6	4.4	-1.9
768	GLASGOW, MONTANA	8.5	5.9	3.6	8.2	5.9	-2.5	8.7	6.4	3.5	9.2	5.3	-2.7	8.7	6.0	2.7	8.3	6.5	-3.4
775	GREAT FALLS, MONTANA	9.3	6.5	2.1	9.9	6.8	-2.3	10.0	7.6	1.2	9.9	6.8	-2.9	10.0	7.1	-.3	9.9	8.0	-4.6
772	HELENA, MONTANA	7.2	5.9	2.2	7.8	6.3	-1.8	7.3	6.7	2.0	7.8	5.9	-1.7	7.3	6.2	1.2	7.7	7.2	-3.7
386	LAS VEGAS, NEVADA	4.2	2.8	.2	5.1	4.5	-3.0	4.2	4.0	-1.2	5.1	4.3	-3.1	4.2	3.8	-2.0	5.0	5.6	-4.0
295	LOS ANGELES, CALIF.	4.0	3.5	.4	4.8	3.4	-2.7	4.1	4.6	.2	4.8	3.0	-2.4	4.1	4.3	.2	4.7	4.0	-3.2
597	MEDFORD, OREGON	5.0	3.3	.6	5.1	4.9	-3.4	5.1	4.6	.6	5.1	4.5	-3.1	5.1	4.4	.2	5.1	5.5	-4.1
773	MISSOULA, MONTANA	6.1	4.7	-.8	6.2	6.2	-3.5	6.1	5.8	-1.7	6.2	5.2	-2.8	6.1	5.7	-1.9	6.1	7.0	-4.7
688	PENDLETON, OREGON	6.7	4.8	.3	5.1	4.4	-1.0	6.6	5.6	-.5	5.1	3.8	-1.2	6.6	5.2	-1.0	5.0	4.9	-2.4
578	POCATELLO, IDAHO	5.4	4.1	2.2	7.2	6.7	-3.4	5.6	4.2	1.1	7.2	5.4	-2.1	5.0	4.3	.9	7.1	7.2	-4.0
698	PORTLAND, OREGON	5.0	3.9	.2	4.4	4.1	-1.3	5.2	4.5	.2	4.4	3.6	-1.4	5.2	4.4	-.3	4.5	4.3	-2.1
483	RENO, NEVADA	6.2	4.3	-.1	7.6	6.4	-4.0	6.1	5.4	-1.5	7.6	5.7	-3.3	6.1	5.2	-1.1	7.3	7.3	-5.3
483	SACRAMENTO, CALIF.	3.8	3.2	1.3	4.0	4.7	-3.7	3.8	3.5	.7	4.0	4.4	-3.6	3.8	3.6	.7	3.9	5.9	-4.1
572	SALT LAKE CITY, UTAH	5.6	4.1	.2	6.0	6.3	-3.6	5.5	4.8	-1.1	6.0	4.9	-2.4	5.5	4.6	-.4	6.0	6.8	-4.7
290	SAN DIEGO, CALIF.	3.5	3.8	1.8	2.4	3.8	-3.7	3.5	4.2	1.8	2.4	3.7	-3.5	3.5	4.3	1.7	2.4	4.0	-4.3
494	SAN FRANCISCO, CALIF	3.4	2.3	.3	3.5	3.2	-2.0	3.4	3.1	.3	3.5	2.8	-1.6	3.4	3.1	.7	3.4	3.4	-2.3
793	SEATTLE, WASHINGTON	4.0	3.3	1.3	3.8	3.5	-2.2	4.0	3.5	1.1	3.8	3.7	-2.0	4.0	3.3	.7	3.7	4.5	-2.8
785	SPOKANE, WASHINGTON	4.9	3.9	.2	5.5	4.4	-2.5	4.9	4.6	-.7	5.5	4.4	-2.3	4.9	4.3	-.6	5.3	5.2	-3.8
781	YAKIMA, WASHINGTON	4.9	4.2	1.0	4.9	4.7	-3.0	4.9	5.1	.9	4.9	4.1	-2.5	4.9	4.9	1.2	4.9	5.2	-4.0

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NMC AREA TEMPERATURE FORECASTS MAY 1970 - OCT 1970

INDEX NO.		0600Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG	1800Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
509	BOSTON,MASS.	6.4	4.6	.1	5.6	4.3	-2.3	6.4	5.3	-.2	5.6	4.1	-2.4	6.4	5.1	-.1	5.6	4.8	-2.7
524	CLEVELAND, OHIO	5.6	3.4	1.5	5.6	4.0	-1.3	5.4	4.0	1.8	5.6	3.8	-1.3	5.4	3.9	2.0	5.5	4.3	-1.5
310	COLUMBIA, S.C.	3.4	2.5	-.1	3.5	3.5	-1.2	3.5	2.8	-.5	3.5	3.1	-1.2	3.5	3.0	-1.1	3.5	3.5	-1.7
503	NEW YORK, N.Y.	5.7	4.3	-.2	5.5	4.2	-.9	5.7	4.7	-.4	5.5	3.9	-.9	5.7	4.7	-.4	5.4	4.4	-1.4
408	PHILADELPHIA, PA.	4.3	3.4	.3	5.5	5.4	-3.8	4.3	3.8	.5	5.5	4.9	-3.4	4.3	3.8	.3	5.3	5.7	-4.0
520	PITTSBURGH, PA.	5.5	3.2	1.3	5.9	4.0	-1.2	5.3	3.9	1.5	5.9	3.7	-1.2	5.3	3.7	1.6	5.8	4.2	-1.4
306	RALEIGH, N.C.	3.9	3.3	1.6	3.9	3.2	-.4	3.9	3.6	1.0	3.9	2.9	-.6	3.9	3.5	1.2	3.8	3.3	-.7
405	WASHINGTON, D.C.	4.7	3.5	-.4	4.5	3.4	-1.4	4.7	4.0	-.8	4.5	3.2	-1.4	4.7	3.9	-1.1	4.4	3.7	-1.9
365	ALBUQUERQUE, N.M.	3.9	3.0	.9	3.6	4.0	-1.7	3.9	3.7	.5	3.6	3.5	-1.6	4.0	3.6	.6	3.6	4.3	-1.8
219	ATLANTA,GA.	3.4	2.9	-.3	3.0	3.0	-.9	3.5	3.6	-.8	3.0	2.6	-1.2	3.5	3.6	-1.0	3.0	3.2	-1.6
228	BIRMINGHAM,ALA.	3.2	2.8	-.0	3.2	3.3	-1.1	3.2	3.5	-.4	3.2	3.0	-1.1	3.2	3.3	-.6	3.1	3.5	-1.6
259	FORTWORTH, TEX.	4.6	3.7	.6	4.0	3.8	-.1	4.7	4.7	.2	4.0	3.3	-.4	4.7	4.3	.1	4.0	4.0	-.3
334	MEMPHIS,TENN.	4.0	3.1	1.1	4.1	3.6	-.6	4.0	3.7	1.3	4.1	3.0	-.7	4.0	3.6	.9	4.1	3.7	-1.0
202	MIAMI, FLA.	1.9	1.8	.5	1.9	2.1	-.7	1.9	2.1	.4	1.9	1.9	-.5	1.9	2.0	.4	1.9	2.1	-.7
231	NEW ORLEANS, LA.	3.1	2.6	.1	3.2	3.1	-.2	3.0	3.1	-.1	3.2	2.7	-.5	3.1	3.2	-1.0	3.2	3.3	-.7
353	OKLAHOMA CITY, OKLA.	5.1	9.1	5.4	4.3	3.6	-.5	5.1	4.9	.7	4.3	3.3	-.8	5.1	4.8	.1	4.3	3.8	-.9
253	SAN ANTONIO, TEX.	3.2	2.7	.4	3.5	3.7	-.3	3.1	3.2	.2	3.5	3.1	-.2	3.1	3.1	-.2	3.5	3.9	-.4
534	CHICAGO, ILL.	6.2	4.1	1.1	5.8	4.2	-2.0	6.1	4.8	1.8	5.8	4.6	-1.3	6.1	4.7	1.1	5.8	5.1	-1.7
469	DENVER, COLO.	5.8	4.2	-.7	4.9	3.8	-.3	5.8	5.6	-2.0	4.9	3.6	-.5	5.8	4.8	-.5	4.9	4.2	-.4
537	DETROIT,MICH.	6.1	4.0	1.2	6.6	4.3	-.1	6.0	4.6	1.9	6.6	4.0	-.1	6.0	4.4	1.3	6.7	4.6	-.1
438	INDIANAPOLIS, IND.	4.7	3.4	.7	7.1	4.8	-1.2	4.7	3.8	.9	7.1	4.4	-1.2	4.7	3.5	.6	7.0	5.1	-1.7
446	KANSAS CITY, MO.	6.6	5.9	2.1	5.6	4.0	-.4	6.5	5.6	.3	5.6	3.9	-.7	6.5	5.4	-.3	5.6	4.4	-.6
658	MINNEAPOLIS, MINN.	6.9	4.5	1.1	6.4	4.2	-.9	6.8	5.6	.3	6.4	4.1	-1.2	6.8	4.9	.2	6.3	4.5	-1.1
434	ST. LOUIS, MO.	5.7	4.5	2.0	5.1	3.5	-.6	5.7	5.1	1.9	5.1	3.4	-.9	5.7	4.7	1.4	5.1	3.8	-.9
681	BOISE, IDAHO	5.6	4.5	3.0	6.9	4.9	-1.5	5.6	4.9	2.3	6.9	4.7	-1.3	5.7	4.7	2.3	6.9	5.5	-2.2
775	GREAT FALLS,MONT.	6.7	4.2	2.0	5.0	3.9	-.5	6.7	5.3	-.0	5.0	3.5	-1.0	6.7	4.6	-.4	5.1	4.5	-1.6
295	LOS ANGELES, CALIF.	3.4	3.3	1.9	2.5	2.9	-1.7	3.2	4.1	2.2	2.5	2.7	-1.7	3.2	3.9	1.8	2.4	3.1	-1.7
698	PORTLAND, ORE.	5.7	3.9	-.5	4.6	3.7	-1.3	5.6	5.1	-.7	4.6	3.6	-1.6	5.6	5.0	-2.0	4.7	4.4	-2.5
572	SALT LAKE CITY, UT.	5.4	4.1	2.2	5.2	4.1	-1.3	5.4	5.3	1.2	5.2	3.7	-1.3	5.4	4.7	1.1	5.1	4.8	-2.1
494	SAN FRANCISCO, CALIF	4.2	3.8	-.2	3.2	3.2	-1.6	4.2	4.3	.1	3.2	3.1	-1.6	4.2	4.2	-.5	3.2	3.5	-1.9
793	SEATTLE, WASH.	5.1	3.3	.7	4.5	4.0	-2.4	5.1	4.2	.3	4.5	3.9	-2.6	5.1	3.9	-.7	4.5	4.7	-3.5

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
509	BOSTON,MASS.	6.3	4.3	1.7	7.9	6.1	-1.3	6.2	5.2	2.4	7.9	5.6	-1.3	6.2	4.7	1.3	8.0	6.6	-1.1
524	CLEVELAND, OHIO	8.4	5.0	2.0	7.3	4.7	-1.3	8.3	6.3	2.7	7.8	4.3	-1.2	8.3	5.7	1.6	7.8	5.0	-.7
310	COLUMBIA, S.C.	7.3	4.2	-.4	8.4	5.2	-1.2	7.4	4.8	.7	8.4	4.9	-2.3	7.4	4.8	-.4	8.4	5.4	-.5
503	NEW YORK, N.Y.	6.9	4.5	.6	7.3	5.0	-1.0	6.8	4.8	.9	7.3	4.6	-1.2	6.8	4.6	.5	7.5	5.1	-1.0
408	PHILADELPHIA, PA.	6.2	4.3	-.3	6.0	5.2	-3.5	6.1	4.8	-.5	6.0	4.8	-3.4	6.1	4.7	-.9	6.2	5.3	-3.3
520	PITTSBURGH, PA.	7.3	4.5	2.1	7.0	4.4	-1.3	7.3	5.3	2.7	7.0	4.1	-1.3	7.3	5.1	1.8	7.0	4.6	-.9
306	RALEIGH, N.C.	8.2	4.3	.6	8.8	4.8	-.7	8.3	5.6	1.2	8.8	4.5	-1.3	8.3	5.4	.3	8.8	5.2	-.3
405	WASHINGTON, D.C.	7.9	4.7	-.1	6.7	4.3	-1.6	7.9	5.6	.7	6.7	3.7	-1.5	7.9	5.3	-.1	6.8	4.5	-1.2
365	ALBUQUERQUE, N.M.	4.8	3.3	-.5	5.1	4.5	-1.8	4.8	4.5	-2.1	5.1	4.6	-1.8	4.8	4.5	-2.5	5.1	4.9	-2.7
219	ATLANTA,GA.	7.7	4.3	.6	8.2	5.0	-.4	7.8	5.6	1.4	8.2	4.6	-1.4	7.8	5.6	.2	8.1	5.3	-.1
223	BIRMINGHAM,ALA.	7.6	4.1	.9	9.2	5.1	-.9	7.1	5.2	1.8	9.2	4.6	-.9	7.1	4.9	.1	8.9	5.4	-.1
259	FORTWORTH, TEX.	9.7	5.4	-.1	8.5	5.2	-2.0	9.6	6.5	.1	9.5	5.6	-1.7	9.6	6.0	-1.1	8.6	6.5	-2.5
334	MEMPHIS,TENN.	8.5	5.3	1.3	9.3	5.4	-1.4	8.5	6.7	2.3	9.3	4.9	-1.2	8.5	6.0	.6	9.3	5.7	-1.1
202	MIAMI, FLA.	4.9	2.9	-.5	6.2	4.4	.4	5.0	6.3	-.2	6.2	4.8	-.1	5.0	6.2	-.7	6.2	4.7	1.5
231	NEW ORLEANS, LA.	7.5	4.2	.5	9.3	5.9	-.1	7.5	5.1	.7	9.3	5.4	-.5	7.5	5.0	-1.0	9.2	6.3	.2
353	OKLAHOMA CITY, OKLA.	9.1	5.7	.0	9.1	5.2	-2.4	9.1	6.9	1.2	9.1	5.4	-2.5	9.1	6.4	-.7	9.0	5.6	-2.9
253	SAN ANTONIO, TEX.	6.4	4.3	-.7	8.2	5.9	-1.6	6.4	5.3	-1.3	8.2	5.6	-1.3	6.4	5.3	-3.2	8.2	6.4	-2.2
534	CHICAGO, ILL.	7.3	5.6	-1.3	8.2	5.5	-2.4	7.2	6.1	-.3	8.3	5.1	-2.1	7.3	5.9	-1.4	8.3	5.7	-2.1
463	DENVER, COLO.	7.7	5.0	-1.6	7.2	5.3	-2.3	7.8	6.4	-2.7	7.2	5.2	-2.4	7.8	6.1	-2.8	7.1	6.7	-4.2
537	DETROIT,MICH.	6.3	4.3	1.2	7.5	5.1	.1	6.3	5.1	1.6	7.5	4.7	-.4	6.3	4.8	.3	7.5	5.1	.2
439	INDIANAPOLIS, IND.	8.0	5.2	1.2	8.2	5.1	-1.2	8.4	6.3	1.9	8.2	4.8	-1.3	8.0	5.8	.2	8.3	5.4	-1.0
446	KANSAS CITY, MO.	9.3	5.3	.9	7.8	5.8	-2.6	9.3	7.5	1.4	7.8	5.5	-2.5	9.3	6.9	.1	7.3	6.3	-3.3
653	MINNEAPOLIS, MINN.	8.1	5.0	2.0	8.3	6.3	-2.5	8.2	6.3	2.5	8.3	6.4	-2.3	8.2	5.7	1.2	8.3	7.4	-3.2
434	ST. LOUIS, MO.	9.4	5.6	.3	8.0	5.3	-2.6	9.5	6.8	1.1	8.0	5.1	-2.5	9.5	6.8	-.2	8.0	5.6	-3.0
681	BOISE, IDAHO	5.1	3.8	1.1	6.4	6.1	-4.1	5.3	4.2	.2	6.4	5.1	-3.0	5.3	4.2	.3	8.3	6.8	-4.9
775	GREAT FALLS,MONT.	8.3	6.0	2.0	7.9	6.1	-2.2	8.4	6.8	1.9	7.9	5.9	-2.3	8.4	6.4	.7	7.9	7.0	-3.3
295	LOS ANGELES, CALIF.	3.9	3.4	.8	3.4	3.9	-3.1	3.9	4.3	.3	3.4	3.7	-3.0	3.9	4.1	-.0	3.4	4.5	-3.8
698	PORTLAND, ORE.	5.6	4.2	.4	4.9	4.5	-2.0	5.6	4.9	.1	4.9	4.0	-2.0	5.6	4.7	-.4	4.9	5.0	-3.0
572	SALT LAKE CITY, UT.	6.0	4.2	-.4	7.1	6.8	-4.2	6.0	5.4	-2.0	7.1	5.7	-3.2	6.0	5.2	-2.2	7.0	7.7	-5.7
434	SAN FRANCISCO, CALIF	4.1	3.3	.5	4.8	4.4	-2.5	4.1	3.8	.0	4.8	4.0	-2.2	4.1	3.8	.0	4.6	4.9	-3.2
793	SEATTLE, WASH.	4.6	3.8	.8	4.7	4.2	-2.6	4.6	4.4	.4	4.7	4.1	-2.3	4.6	4.2	.4	4.6	4.9	-3.5

WSFO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

EASTERN REGION

INDEX NO.		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
518	ALBANY, NEW YORK	5.6	3.6	-.6	7.0	4.3	-.2	5.6	4.7	-.6	7.0	4.0	-.2	5.6	4.5	-1.4	6.8	5.1	.2
509	BOSTON, MASS.	6.8	3.7	.9	4.1	2.5	.0	6.7	5.7	1.0	4.1	2.2	-.3	6.7	4.6	1.3	4.0	2.9	.1
528	BUFFALO, N. Y.	6.0	3.1	.6	6.0	3.7	-1.5	5.8	3.9	1.0	6.0	3.4	-1.7	5.8	4.0	.6	5.9	4.4	-1.8
617	BURLINGTON, VT.	6.6	4.2	1.8	7.2	3.8	-1.3	6.6	5.4	1.6	7.2	3.6	-1.0	6.6	4.7	1.4	7.1	4.7	-1.3
712	CARIBOU, MAINE	6.1	4.0	1.0	6.1	4.2	-2.1	6.1	5.3	1.1	6.1	3.6	-1.9	6.1	5.1	1.1	6.2	4.9	-1.5
208	CHARLESTON, S. C.	3.4	2.2	-.1	3.5	3.0	-.2	3.5	3.0	.1	3.5	2.7	-.8	3.9	2.5	-.4	3.5	3.4	-.8
314	CHARLOTTE, N. C.	4.0	2.7	-.1	3.5	3.0	-1.5	4.0	3.5	.1	3.5	2.8	-1.7	4.0	3.0	-.3	3.5	3.4	-1.8
421	CINCINNATI, OHIO	5.0	2.9	.6	5.2	3.3	-1.0	4.9	3.6	.8	5.2	2.9	-1.1	4.9	3.2	.7	5.1	3.7	-1.4
524	CLEVELAND, OHIO	6.4	2.9	.7	6.0	3.4	-.6	6.2	4.2	1.6	6.0	2.9	-.5	6.2	3.7	1.1	5.9	4.0	-.7
428	COLUMBUS, OHIO	5.4	2.8	1.2	5.5	3.1	-.1	5.1	3.8	1.7	5.5	2.8	-.0	5.1	3.2	1.5	5.4	3.6	-.3
317	GREENSBORO, N. C.	3.9	3.0	.4	4.0	3.2	-.2	4.0	3.8	.8	4.0	2.9	-.5	4.0	3.5	.2	4.0	3.8	-.5
508	HARTFORD, CONN.	6.2	3.9	-.6	6.1	4.0	-1.5	6.2	5.6	-.6	6.1	3.6	-1.1	6.2	5.1	-1.1	6.0	4.6	-1.1
503	NEW YORK, N. Y.	5.4	3.4	.3	4.0	2.9	-.9	5.4	4.8	.5	4.0	2.3	-.6	5.4	4.4	-.0	3.9	3.2	-.5
308	NORFOLK, VIRGINIA	4.8	2.9	.8	4.2	3.1	-1.0	5.0	3.9	1.1	4.2	2.5	-1.3	5.0	3.5	.9	4.2	3.2	-1.2
408	PHILADELPHIA, PA.	5.0	2.9	.3	4.6	3.1	-1.5	5.0	4.2	.6	4.6	2.7	-.7	5.0	3.4	.2	4.6	3.5	-1.1
520	PITTSBURGH, PA.	5.0	2.7	.6	5.8	3.6	-.3	4.9	3.4	.8	5.8	3.2	-.8	4.9	3.1	.4	5.7	4.2	-.5
606	PORTLAND, MAINE	6.3	3.7	1.3	5.0	3.4	-.9	6.3	5.4	1.3	5.0	2.9	-1.0	6.3	4.5	1.1	5.0	4.0	-1.2
306	RALEIGH, N. C.	3.8	2.5	.9	4.1	3.1	1.2	3.7	3.3	1.3	4.1	2.7	.9	3.7	2.9	1.0	4.1	3.4	.9
401	RICHMOND, VIRGINIA	4.4	2.7	-.6	4.8	3.0	-.4	4.5	3.7	-1.3	4.8	2.3	-.4	4.5	2.8	-1.0	4.7	3.3	-.4
405	WASHINGTON, D. C.	4.8	2.5	-.6	4.4	2.7	-.7	4.8	3.4	-.9	4.4	2.2	-1.0	4.8	2.8	-.7	4.3	3.0	-1.1
514	WILLIAMSPORT, PA.	4.2	2.8	.8	5.6	4.1	-2.2	4.2	3.8	1.2	5.6	3.2	-1.3	4.2	3.3	.4	5.4	4.6	-1.5

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

WSFO TEMPERATURE FORECASTS NOV 1970 - APR 1971

EASTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
518	ALBANY, NEW YORK	7.3	3.9	-.1	9.8	6.3	1.0	7.4	5.1	.1	9.8	4.9	-.5	7.4	4.9	-.6	10.0	6.3	1.0
509	BOSTON, MASS.	6.2	3.0	.2	5.0	3.0	.2	6.1	4.2	.2	5.0	2.7	-.5	6.1	4.1	.0	5.1	3.9	-.1
528	BUFFALO, N. Y.	7.0	3.2	1.0	6.5	3.8	-.2	7.0	4.4	1.2	6.5	3.7	-.3	7.0	4.0	1.2	6.5	4.3	-.5
617	BURLINGTON, VT.	7.0	3.3	1.9	3.3	6.0	.6	9.3	4.3	2.2	3.3	4.3	-.2	9.3	4.6	1.0	10.0	7.2	.4
712	CARIBOU, MAINE	6.3	4.0	.8	8.9	6.5	-.6	6.3	6.1	.5	8.9	5.2	-1.3	9.3	5.0	-.1	8.3	7.9	-.6
208	CHARLESTON, S. C.	7.3	3.7	-.0	8.4	4.1	-.6	7.4	4.4	.1	8.4	3.9	-1.2	7.4	4.3	-.6	8.4	5.1	-.2
314	CHARLOTTE, N. C.	8.1	4.2	.1	8.6	4.1	-.5	8.2	5.6	.1	8.6	3.7	-1.3	8.2	4.8	-.1	8.4	4.3	-.3
421	CINCINNATI, OHIO	8.3	4.2	.2	8.3	4.6	-1.4	8.3	5.2	-.1	9.3	4.1	-1.3	8.8	4.8	-.0	8.4	5.0	-1.1
524	CLEVELAND, OHIO	8.0	3.1	.3	7.1	3.9	.4	8.0	4.5	.8	7.1	3.1	-.1	8.0	4.0	.8	7.1	4.3	.3
429	COLUMBUS, OHIO	8.3	3.7	-.1	8.0	4.4	-.4	8.2	4.9	-.1	8.0	3.7	-.9	8.2	4.4	-.2	8.0	4.7	.2
317	GREENSBORO, N. C.	8.4	4.3	1.6	8.7	4.8	2.0	8.4	5.6	1.9	8.7	3.8	1.0	8.4	4.9	1.3	8.5	5.2	1.9
508	HARTFORD, CONN.	6.8	3.6	.2	6.3	4.6	-.6	6.7	4.9	.6	6.3	3.7	-1.9	6.7	4.6	-.0	7.0	4.7	-.5
503	NEW YORK, N. Y.	6.6	3.5	.7	5.5	3.4	-.9	6.4	4.4	.8	5.5	2.7	-1.2	6.4	4.0	.4	5.6	3.6	-.8
309	NORFOLK, VIRGINIA	8.7	3.9	-.5	7.0	4.4	-2.2	8.8	5.0	-.3	7.0	3.5	-2.1	8.8	5.2	-.6	7.1	4.3	-2.1
408	PHILADELPHIA, PA.	6.5	3.2	.2	5.7	3.3	-.3	6.3	4.1	.2	5.7	2.6	-.5	6.3	3.9	-.2	5.7	4.0	-1.0
520	PITTSBURGH, PA.	8.8	3.8	.9	7.5	4.0	.2	8.8	5.0	1.0	7.5	3.3	-.1	8.3	4.2	.7	7.4	4.5	.4
606	PORTLAND, MAINE	9.6	3.7	1.5	7.9	5.3	.5	9.5	4.6	1.6	7.3	4.7	.3	9.5	4.1	.7	7.3	6.2	.8
306	RALEIGH, N. C.	8.3	3.8	-.4	9.1	4.4	-.4	8.3	5.4	-.2	9.1	3.6	-.6	8.3	4.8	-.7	9.0	4.3	-.4
401	RICHMOND, VIRGINIA	8.0	3.8	.2	7.9	4.1	-.5	9.0	4.8	.2	7.9	3.3	-.7	8.0	4.3	-.2	7.9	4.6	-.1
405	WASHINGTON, D. C.	7.0	3.3	-.2	5.4	3.2	-.8	7.0	4.0	-.1	5.4	2.6	-1.0	7.0	4.1	-.3	5.4	3.7	-.8
514	WILLIAMSPORT, PA.	6.0	3.5	-.3	6.4	4.4	-1.5	5.9	4.4	-1.2	6.4	3.3	-1.1	5.9	4.5	-1.5	6.6	5.0	-1.9

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
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TG = MEAN ALGEBRAIC FORECAST ERROR

WSFO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
365	ALBUQUERQUE, N. M.	5.5	3.2	.5	4.1	3.4	-1.3	5.5	4.4	.2	4.1	3.5	-1.9	5.5	3.6	.5	4.1	3.8	-1.5
363	AMARILLO, TEXAS	5.9	3.5	.1	4.5	3.4	-.7	6.0	5.2	.2	4.5	3.1	-1.1	6.0	4.2	-.2	4.6	3.9	-1.0
311	ATHENS, GEORGIA	3.5	2.8	-.3	3.2	2.3	-.6	3.6	3.8	-.5	3.1	2.3	-1.1	3.6	3.2	-.6	3.1	2.8	-1.1
219	ATLANTA, GEORGIA	3.3	2.4	.6	2.4	2.0	-.5	3.3	3.3	.6	2.4	2.0	-.8	3.3	2.8	.5	2.5	2.4	-1.0
218	AUGUSTA, GEORGIA	3.5	2.4	.0	3.3	3.1	-.4	3.5	3.0	-.1	3.3	2.5	-.8	3.5	2.7	-.5	3.3	3.5	-1.2
228	BIRMINGHAM, ALABAMA	3.4	2.6	.5	3.9	2.8	.5	3.3	3.3	.7	3.9	2.3	-.5	3.3	2.7	.4	3.9	3.1	-.2
250	BROWNSVILLE, TEXAS	2.5	1.8	-.2	2.8	2.5	-.6	2.5	2.3	-.3	2.8	2.1	-.6	2.5	2.1	-.4	2.8	2.8	-.6
261	DEL RIO, TEXAS	3.2	2.2	.6	3.3	3.0	.0	3.1	3.1	.7	3.3	2.5	-.5	3.1	2.7	-.1	3.3	3.1	-.4
270	EL PASO, TEXAS	4.3	3.1	.6	4.3	4.0	-.4	4.3	3.9	.6	4.3	3.7	-.8	4.3	3.3	.2	4.3	4.2	-.5
259	FORTWORTH, TEXAS	3.4	2.4	.7	3.4	2.9	-.1	3.5	3.5	1.2	3.4	2.4	-.2	3.5	2.6	.6	3.4	3.3	.1
243	HOUSTON, TEXAS	2.9	2.2	.8	3.3	3.0	.7	2.9	2.8	.7	3.3	2.5	-.5	2.9	2.5	.4	3.3	3.3	.8
235	JACKSON, MISS.	3.4	2.5	-.0	3.8	2.9	-.2	3.3	2.9	-.1	3.8	2.8	-.3	3.4	2.9	-.5	3.7	3.4	-.5
206	JACKSONVILLE, FLA.	3.0	2.3	.4	2.6	2.3	-.6	3.0	3.0	.5	2.6	1.9	-.2	3.0	2.5	.1	2.5	2.4	-.3
201	KEY WEST, FLORIDA	1.1	1.0	.6	1.2	1.3	.3	1.1	1.2	.9	1.2	1.2	-.1	1.2	1.1	.7	1.2	1.3	.2
326	KNOXVILLE, TENNESSEE	3.7	2.7	.7	3.5	2.9	-.9	3.7	3.4	.8	3.5	2.2	-.9	3.7	2.6	.6	3.5	3.2	-1.4
240	LAKE CHARLES, LA.	3.1	2.2	.2	2.6	2.1	-.2	3.1	2.8	0.0	2.6	2.0	-.4	3.1	2.7	-.4	2.5	2.5	-.4
340	LITTLE ROCK, ARK.	4.0	2.9	.1	4.0	3.1	-.1	4.1	3.5	-.0	4.0	2.2	-.3	4.1	2.9	.0	3.9	3.3	.2
423	LOUISVILLE, KENTUCKY	4.6	2.8	.7	4.9	3.4	-.4	4.5	3.9	1.1	4.9	2.6	-.3	4.5	2.9	.8	4.9	3.6	-.6
334	MEMPHIS, TENNESSEE	3.9	2.1	.8	4.2	3.0	-1.0	3.5	2.9	.2	4.2	2.2	-1.3	3.5	2.5	.2	4.2	3.3	-1.0
202	MIAMI, FLORIDA	1.4	1.2	.3	1.9	1.9	-.7	1.5	1.4	-.3	1.9	1.7	-.7	1.5	1.3	.4	1.9	2.2	-1.0
223	MOBILE, ALABAMA	3.2	2.4	-.3	2.6	2.2	-.9	3.1	3.2	-.5	2.6	1.8	-1.1	3.1	2.8	-.7	2.5	2.8	-1.5
326	MONTGOMERY, ALABAMA	3.1	2.2	.3	3.0	2.4	-.1	3.2	2.8	.4	3.0	2.0	-.4	3.2	2.6	.1	3.0	2.8	-.3
327	NASHVILLE, TENNESSEE	4.1	2.6	.5	4.1	2.7	-.0	4.0	3.3	.7	4.1	2.2	-.3	4.0	2.6	.5	4.1	2.9	-.4
231	NEW ORLEANS, LA.	2.8	2.0	.0	3.0	2.8	.2	2.7	2.5	.2	3.0	2.4	-.1	2.7	2.3	-.0	3.0	2.8	.1
353	OKLAHOMA CITY, OKLA.	5.1	3.4	1.0	4.3	3.4	.0	5.1	4.5	1.4	4.3	2.6	-.4	5.1	3.9	1.3	4.3	3.8	-.3
205	ORLANDO, FLORIDA	1.9	1.7	.2	1.6	1.5	-.6	1.9	2.0	.2	1.6	1.3	-.6	1.9	1.7	.2	1.6	1.5	-.7
278	PHOENIX, ARIZONA	2.7	2.1	.3	3.1	3.8	-1.9	2.6	3.2	.5	3.1	3.7	-2.1	2.6	3.0	-.3	3.2	4.2	-2.1
253	SAN ANTONIO, TEXAS	2.9	2.1	.5	3.6	3.3	-.6	2.8	2.8	.6	3.6	2.5	-.6	2.8	2.4	.2	3.6	3.7	-.9
248	SHREVEPORT, LA.	3.2	2.3	.1	3.4	2.7	-.8	3.0	2.8	.2	3.4	2.6	-1.0	3.0	2.8	-.6	3.4	3.4	-1.0
211	TAMPA, FLORIDA	2.0	1.6	-.0	2.3	1.9	-.1	2.0	2.0	-.0	2.3	1.7	-.1	2.0	1.8	.0	2.3	2.0	.0

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SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
365	ALBUQUERQUE, N. M.	5.9	3.6	-.2	6.0	4.3	-1.3	5.9	5.1	-1.2	6.0	3.9	-1.5	5.9	4.1	-.9	5.9	4.7	-1.8
363	AMARILLO, TEXAS	10.6	4.2	.2	7.8	4.0	-.9	10.5	6.2	.2	7.8	3.9	-1.1	10.5	5.6	-.6	7.7	5.2	-1.9
311	ATHENS, GEORGIA	8.3	4.9	1.0	8.1	4.5	-.5	8.3	5.6	1.3	8.1	4.2	-1.9	8.3	5.3	.7	8.0	5.2	-.4
219	ATLANTA, GEORGIA	7.6	4.2	.5	8.0	4.2	-.3	7.7	5.2	.6	8.0	3.7	-1.9	7.7	4.7	.4	7.8	4.8	-.1
214	AUGUSTA, GEORGIA	7.8	3.9	.4	8.6	4.9	.6	7.5	4.7	.5	8.6	4.4	-.7	7.5	4.5	-.3	8.5	5.7	.8
223	BIRMINGHAM, ALABAMA	7.5	3.5	1.3	9.6	4.4	.8	7.5	5.7	2.0	9.6	3.7	.0	7.5	4.3	.9	9.3	5.4	1.1
250	BROWNSVILLE, TEXAS	5.6	3.0	.0	6.8	4.9	-1.9	5.6	4.3	-.6	6.8	3.7	-1.9	5.6	3.8	-1.3	6.8	6.4	-3.1
261	DEL RIO, TEXAS	7.1	4.1	-.0	6.5	4.4	-1.0	7.1	5.3	-.9	6.5	4.2	-1.6	7.1	5.3	-1.8	6.4	5.4	-2.2
270	EL PASO, TEXAS	5.6	3.3	-.7	7.8	5.8	-2.2	5.6	4.7	-2.7	7.8	5.3	-2.1	5.6	4.3	-2.6	7.8	6.3	-3.0
259	FORTWORTH, TEXAS	8.8	3.4	.4	9.3	4.5	-.4	8.8	5.3	.8	9.3	4.3	-.1	8.8	4.7	.1	9.4	5.6	-.5
243	HOUSTON, TEXAS	6.4	3.8	.7	10.0	6.1	.5	6.5	4.7	.2	10.0	4.8	-.1	6.5	4.6	-.5	9.9	6.9	-.4
235	JACKSON, MISS.	8.5	3.7	-.4	10.5	5.1	-.3	8.5	5.1	-.7	10.5	4.3	-.4	8.5	4.4	-.9	10.3	5.6	-.5
206	JACKSONVILLE, FLA.	6.7	3.4	-.2	8.2	4.6	1.1	6.9	4.2	.2	8.2	3.4	.2	6.9	3.6	-.2	8.3	5.0	1.8
201	KEY WEST, FLORIDA	3.0	1.5	-.0	3.3	2.1	.2	3.0	2.1	.3	3.3	1.7	-.3	3.0	1.7	-.2	3.2	2.3	-.1
326	KNOXVILLE, TENNESSEE	8.8	4.0	-.1	8.6	4.9	-.3	8.7	5.8	-.6	8.6	3.8	-.7	8.7	4.2	-.2	8.4	5.1	-.3
240	LAKE CHARLES, LA.	6.1	3.4	-.5	7.9	4.8	-.6	6.2	4.2	-1.1	7.9	3.9	-.7	6.2	3.9	-1.3	7.7	5.4	-1.1
340	LITTLE ROCK, ARK.	3.0	4.5	.3	3.4	4.6	-.1	3.1	6.3	-.3	3.4	3.5	-.2	3.1	4.9	-.3	3.4	5.0	-.0
423	LOUISVILLE, KENTUCKY	8.7	4.4	1.5	8.7	5.3	-.6	8.6	5.6	1.3	8.7	3.5	-1.0	8.6	4.4	.7	8.8	5.3	-.6
334	MEMPHIS, TENNESSEE	8.4	3.5	.6	9.4	4.7	-1.4	8.4	5.2	.2	9.4	3.7	-1.6	8.4	4.4	.1	9.5	5.4	-1.1
202	MIAMI, FLORIDA	3.7	1.8	-.3	6.5	4.2	.1	3.7	2.3	.0	6.5	3.2	-.4	3.7	2.0	-.4	6.3	4.4	.0
223	MOBILE, ALABAMA	6.3	3.0	.0	8.3	4.5	-1.0	6.3	4.2	.1	8.8	3.4	-1.6	6.3	3.3	-.8	8.6	5.1	-.8
226	MONTGOMERY, ALABAMA	7.4	3.1	.4	9.1	4.6	-.2	7.4	4.5	.8	9.1	3.5	-.8	7.4	3.8	-.3	8.9	5.2	.1
327	NASHVILLE, TENNESSEE	8.6	4.2	1.1	10.3	5.0	-.0	8.7	6.0	.9	10.3	3.5	-.0	8.7	4.3	.4	10.3	5.5	.5
231	NEW ORLEANS, LA.	6.9	3.0	-.2	9.7	5.3	.2	6.9	4.2	-.7	9.7	4.3	-.1	6.9	3.7	-.6	9.5	6.4	-.4
353	OKLAHOMA CITY, OKLA.	9.1	3.3	.6	9.1	4.6	-1.6	9.1	5.5	.5	9.1	3.9	-1.4	9.1	4.9	-.0	9.0	5.4	-2.3
205	ORLANDO, FLORIDA	5.9	2.5	-.8	5.8	3.6	.5	6.0	3.5	-1.0	5.8	2.8	-.5	6.0	3.0	-1.3	5.8	4.0	.6
274	PHOENIX, ARIZONA	3.7	2.7	-.3	4.2	4.1	-2.1	3.7	3.9	-1.2	4.2	3.9	-2.5	3.7	3.7	-1.6	4.3	4.8	-2.8
253	SAN ANTONIO, TEXAS	7.3	4.2	-.9	10.1	6.3	-1.0	7.2	6.3	-1.5	10.1	4.9	-1.6	7.2	4.9	-1.6	10.1	7.0	-2.3
248	SHREVEPORT, LA.	8.3	4.6	-1.1	9.1	5.5	-1.3	8.3	6.6	-1.3	9.1	4.3	-1.3	8.3	5.1	-2.0	9.1	5.7	-2.5
211	TAMPA, FLORIDA	5.2	2.4	.0	7.2	4.6	1.0	5.2	3.1	.3	7.2	3.4	-.1	5.2	2.7	-.0	7.3	4.9	1.1

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WSFO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

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INDEX NO.		0600Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG	1800Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
569	CASPER, WYOMING	6.4	3.1	-.7	5.5	3.6	.0	6.4	4.6	-1.4	5.5	3.3	.1	6.5	4.1	-1.0	5.5	4.3	.3
534	CHICAGO, I LINOIS	6.4	3.0	.7	5.8	3.5	-1.5	6.1	4.0	.9	5.8	2.8	-1.5	6.1	3.6	.6	5.8	4.3	-2.1
445	COLUMBIA, MISSOURI	5.6	4.0	2.5	4.8	3.2	0.0	5.6	5.0	3.2	4.8	2.7	-.5	5.6	4.2	2.4	4.8	3.6	-.3
469	DENVER, COLO.	6.4	3.2	-.1	4.4	3.3	.3	6.4	5.2	-.0	4.4	2.9	.2	6.4	4.1	.1	4.4	3.3	.4
546	DES MOINES, IOWA	5.8	3.7	1.1	5.4	3.5	-.9	5.8	4.6	1.3	5.4	3.1	-1.4	5.8	4.0	1.0	5.3	4.4	-2.0
537	DETROIT, MICHIGAN	6.1	3.2	.6	5.3	3.5	-.1	6.0	3.8	1.3	5.3	3.4	-1.0	6.0	3.3	.8	5.1	4.1	-.6
451	DODGE CITY, KANSAS	7.2	4.2	.7	5.1	3.4	.0	7.2	5.9	-.0	5.1	3.2	-.5	7.2	5.3	-.1	5.1	3.9	-.4
476	GRAND JUNCTION, COLO	4.2	3.0	-.0	5.0	3.4	-.5	4.1	4.5	-.2	5.0	3.2	-.7	4.1	3.7	-.6	5.0	3.7	-.3
635	GRAND RAPIDS, MICH.	6.3	3.6	1.3	7.1	3.8	-1.0	6.2	4.5	2.1	7.1	3.7	-1.3	6.2	4.0	1.6	6.9	4.5	-1.1
645	GREEN BAY, WISC.	6.4	3.6	.1	5.1	3.6	-.2	6.3	4.4	.4	6.1	3.1	-.5	6.3	3.9	-.2	6.2	4.3	-.6
654	HURON, S. DAK.	7.3	4.3	.4	7.4	4.5	-.9	7.1	5.5	-.1	7.4	4.2	-1.0	7.1	4.8	-.7	7.1	5.0	-2.1
438	INDIANAPOLIS, IND.	5.0	3.0	.6	6.2	3.6	.3	5.0	4.1	.7	6.2	2.9	-.3	5.0	3.7	.1	6.1	4.3	-.4
747	INTERNATIONAL FALLS	6.9	3.7	.5	6.9	3.8	-.8	6.7	5.1	.7	6.9	3.8	-1.5	6.7	4.2	-.3	7.0	4.7	-2.6
446	KANSAS CITY, MO.	5.7	3.8	.5	5.4	3.7	-1.6	5.7	4.8	.6	5.4	3.5	-1.7	5.7	4.5	.3	5.4	4.3	-2.0
576	LANDER, WYOMING	6.1	3.3	-.2	4.6	3.3	-.2	6.2	4.7	-.5	4.6	3.1	-.8	6.2	4.2	-.9	4.7	4.1	-.9
658	MINNEAPOLIS, MINN.	6.1	3.5	1.3	6.0	3.4	-.8	5.9	4.7	2.1	6.0	3.2	-1.1	5.9	3.9	1.2	6.0	4.1	-1.7
562	NORTH PLATTE, NEBR.	7.3	4.2	-.6	6.4	4.3	.8	7.1	5.7	-1.8	6.4	4.1	.5	7.1	5.1	-1.0	6.5	5.2	.4
532	PEORIA, ILLINOIS	6.1	3.7	2.4	5.8	3.3	.4	6.1	4.7	3.1	5.8	2.8	.2	6.1	4.2	2.4	5.7	3.8	.2
464	PUEBLO, COLORADO	6.2	3.4	-.9	5.1	4.1	-1.4	6.1	5.3	-1.1	5.1	3.9	-1.6	6.1	4.5	-1.2	5.0	4.5	-1.7
662	RAPID CITY, S. DAK.	7.6	3.9	.4	5.7	3.5	.8	7.5	5.4	-.8	5.7	3.2	-.4	7.5	4.9	-.1	5.6	3.6	-.0
734	SAULT STE MARIE	5.9	3.7	1.2	7.0	4.1	-.1	5.9	4.4	1.8	7.0	3.7	-.5	5.9	4.2	1.5	7.0	4.5	-.2
434	ST. LOUIS, MO.	5.9	3.5	1.5	5.1	3.3	.5	5.8	4.5	2.2	5.1	2.6	-.1	5.8	3.7	1.3	5.0	3.7	.0
450	WICHITA, KANSAS	6.0	4.2	.8	5.5	3.6	.1	6.1	5.3	.4	5.5	3.3	-.3	6.1	4.8	.3	5.5	4.4	-.4
767	WILLISTON, N. DAK.	6.8	3.5	.2	6.0	4.2	.6	6.8	5.3	-1.5	6.0	3.9	-.8	6.8	4.3	-1.1	5.9	4.7	-1.0

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INDEX NO.		0600Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG	1800Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
569	CASPER, WYOMING	7.3	4.1	-.5	8.9	6.1	-3.0	7.4	5.5	-.6	8.9	5.2	-2.6	7.4	4.6	-.9	8.9	7.2	-4.0
534	CHICAGO, ILLINOIS	7.7	3.4	-.7	7.8	4.1	-1.6	7.7	5.6	-1.4	7.8	3.3	-1.6	7.6	4.4	-.9	7.8	5.5	-1.9
445	COLUMBIA, MISSOURI	9.3	3.9	.6	7.5	4.5	-2.1	9.3	5.7	1.2	7.5	3.8	-2.1	9.3	5.0	.7	7.5	5.0	-2.3
469	DENVER, COLO.	9.4	4.3	-1.4	6.4	4.1	-1.7	9.5	6.3	-1.7	6.4	3.6	-1.4	9.5	5.7	-1.2	6.4	5.1	-1.7
546	DES MOINES, IOWA	8.1	4.0	-.5	7.3	5.4	-2.4	8.2	6.5	-.4	7.9	4.8	-2.3	8.2	4.9	-.5	7.9	6.8	-2.6
537	DETROIT, MICHIGAN	6.6	3.2	.4	6.9	3.9	-.0	6.6	4.0	.4	6.9	3.3	-1.0	6.6	3.8	-.2	6.9	4.2	-.3
451	DODGE CITY, KANSAS	10.1	5.6	1.1	7.5	4.6	-1.2	10.1	7.4	.5	7.5	4.4	-1.4	10.1	6.9	.7	7.4	5.4	-1.8
476	GRAND JUNCTION, COLO	5.1	4.3	-2.0	5.7	4.8	-.7	5.1	5.4	-2.7	5.7	4.1	-.7	5.1	5.1	-2.9	5.6	5.0	-.9
535	GRAND RAPIDS, MICH.	6.5	3.4	.7	7.8	4.8	-.1	6.4	4.5	.7	7.8	4.1	-1.2	6.5	4.0	.4	7.9	5.1	-.7
545	GREEN BAY, WISC.	6.2	3.3	-.0	9.3	5.1	-.2	9.1	4.3	.0	9.4	3.9	-.1	6.2	3.8	-.3	9.4	5.8	-.1
654	HURON, S. DAK.	8.4	4.1	1.1	9.4	5.8	-.7	8.5	6.0	1.4	9.4	5.0	-.8	8.5	5.2	.0	9.3	7.2	-2.3
438	INDIANAPOLIS, IND.	8.0	4.1	.5	8.2	4.5	-.1	8.0	5.7	.3	8.2	3.5	-.6	8.0	5.0	.2	8.3	4.9	-.2
747	INTERNATIONAL FALLS	6.8	3.2	.5	10.5	6.3	-.6	6.6	4.8	.8	10.5	4.9	-.6	6.6	4.0	-.2	10.6	7.1	-1.5
446	KANSAS CITY, MO.	9.4	4.5	-.1	8.2	5.2	-2.9	9.4	6.4	.3	8.2	5.4	-3.2	9.4	5.6	-.7	8.2	5.6	-3.0
576	LANDER, WYOMING	7.0	4.3	-.7	7.4	5.5	-2.9	7.1	5.6	-1.0	7.4	4.3	-2.3	7.1	5.0	-1.4	7.4	6.1	-3.7
653	MINNEAPOLIS, MINN.	7.1	3.8	.3	8.1	4.8	-1.5	7.3	5.0	.9	8.1	4.2	-1.9	7.3	4.8	.4	8.1	6.0	-2.7
562	NORTH PLATTE, NEBR.	10.3	4.3	-.4	6.3	5.5	-1.5	10.4	7.1	-.2	6.3	4.9	-1.1	10.4	6.2	-.9	7.1	6.8	-2.2
532	PEORIA, ILLINOIS	8.0	3.7	-.5	7.6	4.0	-.5	7.9	5.6	-.7	7.6	3.6	-.4	7.9	4.6	-.0	7.7	4.9	-.1
464	PUEBLO, COLORADO	9.8	5.0	-2.0	7.5	5.3	-2.3	9.9	7.2	-2.4	7.5	4.5	-1.4	9.9	5.7	-1.8	7.4	5.4	-2.1
662	RAPID CITY, S. DAK.	10.2	5.2	1.0	7.9	4.7	-1.3	10.2	7.6	.9	7.9	4.4	-2.1	10.2	6.5	-.3	8.0	6.0	-2.8
734	SAULT STE MARIE	5.9	3.4	1.0	7.8	5.0	-.6	5.8	4.5	1.6	7.3	4.7	-.9	5.3	3.9	.7	7.7	5.3	-.0
434	ST. LOUIS, MO.	9.6	4.2	.0	8.2	4.4	-.4	9.6	6.0	.5	8.2	3.7	-.3	9.6	5.7	-.0	8.3	5.1	-.9
450	WICHITA, KANSAS	8.7	4.8	1.0	8.9	5.0	-.2	8.7	6.3	.9	8.9	4.6	-.3	8.7	5.7	.8	8.8	5.2	-.7
767	WILLISTON, N. DAK.	8.0	3.8	1.0	8.2	5.2	-.9	8.2	9.6	.6	8.2	4.7	-2.2	8.2	4.9	-.5	8.2	6.7	-2.3

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

WSFO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

WESTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
677	BILLINGS, MONTANA	6.9	3.3	1.5	4.8	3.4	-1.2	6.9	4.8	-.1	4.8	3.2	-1.3	6.9	3.9	.1	4.9	4.0	-1.9
681	BOISE, IDAHO	5.9	3.2	1.0	5.9	4.6	-2.1	6.0	4.6	.5	5.9	4.3	-2.4	6.1	4.0	.0	5.8	5.4	-3.5
486	ELY, NEVADA	5.1	3.2	1.2	5.5	4.0	-.2	5.1	4.5	1.8	5.5	3.5	-.6	5.1	3.9	.4	5.4	4.6	-.7
594	EUREKA, CALIFORNIA	2.9	2.6	.3	2.2	1.9	-.6	2.8	3.0	.6	2.2	1.7	-.4	2.8	2.9	.8	2.3	2.0	-.4
389	FRESNO, CALIFORNIA	3.8	2.5	.1	3.1	3.1	-1.6	3.8	3.4	-.3	3.1	2.3	-1.0	3.8	2.8	-.4	3.1	3.1	-1.3
768	GLASGOW, MONTANA	7.0	3.7	.8	5.2	3.5	-1.4	6.9	5.4	-.8	5.2	3.4	-.8	6.9	4.3	-.4	5.4	4.2	-1.9
775	GREAT FALLS, MONTANA	7.0	3.7	.6	5.5	4.1	-1.4	7.2	5.4	-.5	5.5	3.7	-1.1	7.2	4.2	-.3	5.6	4.7	-2.2
772	HELENA, MONTANA	6.2	3.5	1.1	4.9	3.8	-.4	6.1	4.7	.0	4.9	3.5	-.5	6.2	4.1	.1	5.0	3.9	-.8
386	LAS VEGAS, NEVADA	4.6	2.8	1.2	4.2	3.6	-.7	4.1	3.6	1.8	4.2	3.2	-.9	4.1	3.1	.8	4.2	4.1	-1.1
295	LOS ANGELES, CALIF.	3.2	2.6	.2	1.8	2.0	-.6	3.1	3.2	.4	1.8	1.7	-.1	3.1	3.0	.4	1.8	2.1	-.3
597	MEDFORD, OREGON	5.4	3.0	-.2	5.1	3.6	-1.6	5.3	4.5	-.0	5.1	3.3	-1.7	5.3	4.0	-.8	5.2	4.1	-2.6
773	MISSOULA, MONTANA	6.4	3.9	.9	4.8	3.9	-.6	6.4	5.5	.5	4.8	3.5	-.8	6.4	4.5	-.1	4.8	3.9	-1.3
688	PENDLETON, OREGON	5.6	3.6	1.2	4.4	3.1	-.3	5.6	4.9	1.1	4.4	2.8	-.9	5.6	4.1	.3	4.4	3.9	-1.5
578	POCATELLO, IDAHO	5.8	3.4	1.1	6.3	4.3	-1.3	5.8	4.4	.5	6.3	4.2	-1.9	5.8	3.8	.3	6.3	5.0	-2.4
698	PORTLAND, OREGON	6.2	3.2	-.5	4.4	3.5	-1.4	6.0	4.8	-1.1	4.4	3.3	-1.6	6.0	4.3	-1.0	4.4	4.2	-2.5
488	RENO, NEVADA	4.9	3.4	.0	5.5	4.9	-3.1	4.9	4.2	-.1	5.5	4.0	-1.8	4.9	4.0	-.4	5.4	4.8	-2.8
483	SACRAMENTO, CALIF.	4.6	3.4	-.2	3.2	3.3	-1.7	4.6	5.0	.5	3.2	2.8	-1.3	4.6	4.0	-.3	3.3	3.2	-1.5
572	SALT LAKE CITY, UTAH	5.0	2.9	1.0	5.4	3.7	-.9	5.1	4.0	1.3	5.4	3.3	-1.2	5.1	3.2	.3	5.3	4.2	-1.7
290	SAN DIEGO, CALIF.	2.4	2.0	.7	1.3	1.7	-.9	2.3	3.2	.9	1.3	1.5	-.8	2.3	2.5	.9	1.3	1.9	-1.0
494	SAN FRANCISCO, CALIF	4.9	3.9	-.2	2.1	2.2	-1.2	4.9	4.5	.1	2.1	1.8	-.7	4.9	3.7	-.2	2.1	2.2	-1.2
793	SEATTLE, WASHINGTON	5.2	3.1	.4	3.4	3.4	-2.5	5.3	4.4	.1	3.4	2.8	-2.1	5.3	3.5	.1	3.4	3.7	-3.1
785	SPOKANE, WASHINGTON	5.6	3.2	.2	4.8	3.7	-1.8	5.6	4.6	.0	4.8	3.7	-2.0	5.6	3.8	-.3	4.8	4.2	-2.7
781	YAKIMA, WASHINGTON	4.4	2.5	-.0	5.4	4.4	-2.4	4.3	3.4	.1	5.4	4.5	-2.6	4.3	2.9	-.3	5.3	4.9	-3.4

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

WSFO TEMPERATURE FORECASTS NOV 1970 - APR 1971

WESTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
677	BILLINGS, MONTANA	9.8	5.3	.8	7.6	4.5	-.3	9.9	7.1	1.4	7.6	3.3	-.3	9.9	5.4	.3	7.5	5.3	-2.2
631	BOISE, IDAHO	4.9	3.3	-.1	5.9	4.6	-2.9	5.0	4.1	-.9	5.9	4.2	-2.6	5.0	3.8	-.9	5.8	5.6	-4.3
486	ELY, NEVADA	6.3	4.0	-.4	8.1	5.7	-1.6	6.3	5.4	-1.3	8.1	4.8	-1.6	6.3	4.9	-2.3	7.8	6.8	-3.1
534	EUREKA, CALIFORNIA	2.9	2.3	.3	3.9	3.5	-1.7	2.9	2.9	.3	3.9	2.8	-1.0	2.9	2.6	.3	3.7	3.8	-1.9
389	FRESNO, CALIFORNIA	4.0	3.1	-.3	4.8	3.9	-1.8	4.1	4.1	-.8	4.3	3.4	-1.4	4.1	3.6	-.9	4.6	4.0	-1.3
763	GLASGOW, MONTANA	3.5	4.2	.3	3.2	5.3	-2.5	8.7	6.3	1.0	8.2	4.8	-1.6	8.7	5.1	.7	8.3	6.3	-3.0
775	GREAT FALLS, MONTANA	3.8	4.2	.6	9.9	5.8	-.9	10.0	9.9	.3	9.9	4.6	-1.5	10.0	6.0	-.6	9.9	7.1	-2.8
772	HELENA, MONTANA	7.2	3.8	.6	7.8	5.4	-1.2	7.3	5.6	.4	7.8	4.7	-1.5	7.3	4.7	-.2	7.7	6.1	-2.7
386	LAS VEGAS, NEVADA	4.2	2.8	-.1	5.1	4.1	-2.0	4.2	4.2	-.9	5.1	3.6	-2.1	4.2	3.7	-1.6	5.0	4.9	-3.0
295	LOS ANGELES, CALIF.	4.0	2.3	.1	2.3	2.6	-1.0	4.1	4.2	.1	2.3	2.5	-1.1	4.1	3.0	-.2	2.7	2.3	-1.6
537	MEDFORD, OREGON	5.0	3.6	.5	5.1	4.4	-2.5	5.1	4.3	.5	5.1	3.8	-2.0	5.1	4.1	.0	5.1	5.0	-3.1
773	MISSOULA, MONTANA	6.1	4.1	-.9	6.2	4.6	-1.9	6.1	5.9	-1.5	6.2	4.0	-1.4	6.1	4.9	-1.8	6.1	5.8	-3.4
688	PENDLETON, OREGON	6.7	3.9	-.2	5.1	4.1	-1.2	6.6	5.1	-1.0	5.1	3.3	-.8	6.6	4.8	-.9	5.0	4.6	-2.3
578	POCATELLO, IDAHO	5.4	3.8	1.2	7.2	5.6	-1.8	5.6	4.6	.3	7.2	4.3	-1.5	5.6	4.1	.3	7.1	6.4	-2.9
633	PORTLAND, OREGON	5.0	3.3	.4	4.4	3.5	-1.1	5.2	4.5	.2	4.4	2.9	-1.0	5.2	3.9	-.2	4.5	3.9	-1.7
488	RENO, NEVADA	6.2	4.2	-.4	7.6	6.5	-4.8	6.1	5.7	-1.3	7.6	5.1	-2.9	6.1	4.8	-1.3	7.3	6.5	-4.4
483	SACRAMENTO, CALIF.	3.8	2.9	.5	4.0	3.9	-2.7	3.8	3.5	.6	4.0	3.2	-1.9	3.8	3.3	.3	3.9	4.2	-2.7
572	SALT LAKE CITY, UTAH	5.6	3.2	-.3	6.0	4.6	-2.2	5.5	4.7	-1.2	6.0	4.2	-2.1	5.5	3.3	-.9	6.0	5.3	-3.3
230	SAN DIEGO, CALIF.	3.5	2.6	.5	2.4	2.3	-1.4	3.5	3.7	.6	2.4	2.2	-1.2	3.5	2.8	.5	2.4	2.7	-1.8
434	SAN FRANCISCO, CALIF	3.4	2.7	.5	3.5	2.9	-1.5	3.4	3.1	.8	3.5	2.5	-1.1	3.4	3.0	.7	3.4	3.1	-1.7
793	SEATTLE, WASHINGTON	4.0	2.9	.5	3.8	3.1	-1.7	4.0	3.8	.4	3.8	2.7	-1.8	4.0	3.1	.3	3.7	3.8	-2.0
785	SPOKANE, WASHINGTON	4.9	3.6	.2	5.5	4.1	-2.0	4.9	4.9	-.3	5.5	3.7	-2.0	4.9	4.2	-.5	5.3	4.9	-3.2
781	YAKIMA, WASHINGTON	4.9	3.9	.2	4.9	4.1	-1.6	4.9	5.0	-.1	4.9	3.7	-1.7	4.9	4.6	-.1	4.9	4.7	-2.9

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WSFO AREA TEMPERATURE FORECASTS MAY 1970 - OCT 1970

0600Z SCORES

INDEX NO.		1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
509	BOSTON,MASS.	6.4	3.9	1.3	5.6	3.5	-1.1	6.4	5.5	1.2
524	CLEVELAND, OHIO	5.6	2.9	.8	5.6	3.3	-.6	5.4	3.9	1.3
310	COLUMBIA, S.C.	3.4	2.2	-.1	3.5	3.0	-.2	3.5	3.0	.1
503	NEW YORK, N.Y.	5.7	3.6	-.1	5.5	3.6	-1.0	5.7	5.0	-.1
408	PHILADELPHIA, PA.	4.3	2.6	.4	5.5	3.6	-1.8	4.3	3.8	.7
520	PITTSBURGH, PA.	5.5	2.9	.6	5.9	3.6	-.9	5.3	3.7	.9
306	RALEIGH, N.C.	3.9	2.7	.4	3.9	3.1	-.2	3.9	3.5	.7
405	WASHINGTON, D.C.	4.7	2.7	-.2	4.5	2.9	-.7	4.7	3.7	-.4
365	ALBUQUERQUE, N.M.	3.9	2.6	.4	3.6	3.6	-1.6	3.9	3.8	.4
219	ATLANTA,GA.	3.4	2.5	.1	3.0	2.5	-.5	3.5	3.3	.0
228	BIRMINGHAM,ALA.	3.2	2.4	.2	3.2	2.5	-.1	3.2	3.1	.2
259	FORT WORTH, TEXAS	4.6	2.9	.4	4.0	3.1	-.4	4.7	4.3	.7
334	MEMPHIS,TENN.	4.0	2.6	.6	4.1	3.0	-.5	4.0	3.4	.7
202	MIAMI, FLA.	1.9	1.6	.3	1.9	1.8	-.3	1.9	1.9	.4
231	NEW ORLEANS, LA.	3.1	2.2	.1	3.2	2.6	-.2	3.0	2.7	.1
353	OKLAHOMA CITY, OKLA.	5.1	3.4	1.0	4.3	3.4	.0	5.1	4.5	1.4
253	SAN ANTONIO, TEX.	3.2	2.3	.5	3.5	3.2	-.2	3.1	3.0	.5
534	CHICAGO, ILL.	6.2	3.4	1.1	5.8	3.4	-.4	6.1	4.3	1.5
469	DENVER, COLO.	5.8	3.2	-.4	4.9	3.5	-.4	5.8	4.9	-.5
537	DETROIT,MICH.	6.1	3.5	1.1	6.8	3.8	-.4	6.0	4.2	1.7
438	INDIANAPOLIS, IND.	4.7	3.0	.1	7.1	4.0	.2	4.7	4.0	.2
446	KANSAS CITY, MO.	6.6	4.1	.5	5.6	3.7	.0	6.5	5.4	-.0
658	MINNEAPOLIS, MINN.	6.9	3.8	.6	6.4	3.9	-.2	6.8	5.2	.1
434	ST. LOUIS, MO.	5.7	3.8	1.5	5.1	3.4	-.4	5.7	4.8	2.0
681	BOISE, IDAHO	5.6	3.4	1.2	6.9	4.9	-1.5	5.6	4.4	.9
775	GREAT FALLS,MONT.	6.7	3.6	1.0	5.0	3.7	-.9	6.7	5.2	-.2
295	LOS ANGELES, CALIF.	3.4	2.5	.7	2.5	2.5	-.7	3.2	3.3	1.1
698	PORTLAND, ORE.	5.7	3.3	.2	4.6	3.4	-1.1	5.6	4.7	.0
572	SALT LAKE CITY, UT.	5.4	3.1	1.0	5.2	3.9	-.9	5.4	4.4	1.1
494	SAN FRANCISCO, CALIF	4.2	3.2	.0	3.2	3.1	-1.6	4.2	4.0	.3
793	SEATTLE, WASH.	5.1	2.9	.2	4.5	3.9	-2.2	5.1	4.1	.1

1800Z SCORES

INDEX NO.		1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
509	BOSTON,MASS.	5.6	3.1	-1.1	6.4	4.7	1.2	5.6	4.1	-1.0
524	CLEVELAND, OHIO	5.6	2.9	-.5	5.4	3.4	1.1	5.5	3.8	-.8
310	COLUMBIA, S.C.	3.5	2.7	-.8	3.5	2.5	-.4	3.5	3.4	-.8
503	NEW YORK, N.Y.	5.5	3.2	-.6	5.7	4.5	-.7	5.4	4.1	-.5
408	PHILADELPHIA, PA.	5.5	2.9	-1.1	4.3	3.2	.2	5.3	4.3	-1.4
520	PITTSBURGH, PA.	5.9	3.3	-1.3	5.3	3.5	.5	5.8	4.3	-1.1
306	RALEIGH, N.C.	3.9	2.8	-.4	3.9	3.1	.3	3.8	3.5	-.5
405	WASHINGTON, D.C.	4.5	2.3	-.9	4.7	3.0	-.3	4.4	3.1	-.9
365	ALBUQUERQUE, N.M.	3.6	3.6	-2.0	4.0	3.3	.1	3.6	4.0	-1.8
219	ATLANTA,GA.	3.0	2.3	-.9	3.5	2.9	-.2	3.0	2.9	-1.1
228	BIRMINGHAM,ALA.	3.2	2.0	-.6	3.2	2.7	-.1	3.1	2.9	-.7
259	FORT WORTH, TEXAS	4.0	2.7	-.7	4.7	3.4	.2	4.0	3.6	-.4
334	MEMPHIS,TENN.	4.1	2.3	-.6	4.0	2.7	.6	4.1	3.3	-.6
202	MIAMI, FLA.	1.9	1.6	-.3	1.9	1.7	.3	1.9	1.9	-.3
231	NEW ORLEANS, LA.	3.2	2.4	-.5	3.1	2.7	-.4	3.2	3.0	-.4
353	OKLAHOMA CITY, OKLA.	4.3	2.6	-.4	5.1	3.9	1.3	4.3	3.8	-.3
253	SAN ANTONIO, TEX.	3.5	2.6	-.4	3.1	2.6	.0	3.5	3.4	-.3
534	CHICAGO, ILL.	5.8	2.9	-.5	6.1	3.9	.9	5.8	4.1	-.8
469	DENVER, COLO.	4.9	3.3	-.6	5.9	4.1	-.7	4.9	4.0	-.4
537	DETROIT,MICH.	6.8	3.6	-.9	6.0	3.8	1.3	6.7	4.4	-.6
438	INDIANAPOLIS, IND.	7.1	3.2	-.4	4.7	3.6	-.1	7.0	4.9	-.6
446	KANSAS CITY, MO.	5.6	3.4	-.4	6.5	4.8	.1	5.6	4.5	-.6
658	MINNEAPOLIS, MINN.	6.4	3.7	-1.0	6.8	4.4	.2	6.3	4.4	-1.5
434	ST. LOUIS, MO.	5.1	2.9	-.8	5.7	4.1	1.3	5.1	3.9	-.8
681	BOISE, IDAHO	6.9	4.5	-2.1	5.7	3.8	.3	6.9	5.6	-2.8
775	GREAT FALLS,MONT.	5.0	3.4	-.9	6.7	4.2	-.1	5.1	4.1	-1.6
295	LOS ANGELES, CALIF.	2.5	2.1	-.6	3.2	2.9	.8	2.4	2.7	-.8
698	PORTLAND, ORE.	4.6	3.1	-1.4	5.6	4.1	-.5	4.7	4.1	-2.2
572	SALT LAKE CITY, UT.	5.2	3.5	-1.3	5.4	3.7	.2	5.1	4.4	-1.7
494	SAN FRANCISCO, CALIF	3.2	2.5	-1.0	4.2	3.5	-.1	3.2	3.1	-1.4
793	SEATTLE, WASH.	4.5	3.7	-2.2	5.1	3.4	-.2	4.5	4.3	-3.1

WSFO AREA TEMPERATURE FORECASTS NOV 1970 - APR 1971

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
503	BOSTON,MASS.	6.3	3.6	1.1	7.9	5.3	.2	6.2	4.9	1.1	7.9	4.4	-.4	6.2	4.5	.4	8.0	6.3	.1
524	CLEVELAND, OHIO	8.4	3.7	-.1	7.8	4.3	-.4	8.3	4.9	.2	7.8	3.6	-1.0	8.0	4.4	.2	7.8	4.7	.0
310	COLUMBIA, S.C.	7.3	3.7	-.0	8.4	4.1	-.6	7.4	4.4	.1	8.4	3.9	-1.2	7.4	4.3	-.6	8.4	5.1	-.2
503	NEW YORK, N.Y.	6.9	3.7	.3	7.3	4.8	-.1	6.8	4.8	.5	7.3	3.8	-.6	6.8	4.4	-.1	7.5	4.9	-.1
408	PHILADELPHIA, PA.	6.2	3.4	-.3	6.0	3.3	-.9	6.1	4.3	-.5	6.0	3.2	-.3	6.1	4.2	-.8	6.2	4.5	-1.4
520	PITTSBURGH, PA.	7.3	3.5	.3	7.0	3.9	.0	7.3	4.7	1.1	7.0	3.5	-.4	7.3	4.1	.9	7.0	4.7	-.1
306	RALEIGH, N.C.	8.2	4.1	.5	8.8	4.4	.6	8.3	5.5	.6	8.8	3.7	-.3	8.3	4.8	.2	8.6	5.0	.7
405	WASHINGTON, D.C.	7.3	3.7	-.1	6.7	3.9	-1.2	7.9	4.8	-.0	6.7	3.1	-1.3	7.9	4.7	-.4	6.8	4.2	-1.0
365	ALBUQUERQUE, N.M.	4.8	3.1	-.2	5.1	4.2	-1.7	4.8	4.5	-1.2	5.1	3.9	-2.0	4.3	3.9	-1.0	5.1	4.7	-2.3
219	ATLANTA,GA.	7.7	4.3	.6	8.2	4.5	-.1	7.8	5.2	.8	8.2	4.1	-1.4	7.8	4.9	.0	8.1	5.2	.1
228	BIRMINGHAM,ALA.	7.0	3.2	.6	9.2	4.5	-.1	7.1	4.8	1.0	9.2	3.6	-.3	7.1	5.0	-.1	9.3	5.2	.1
259	FORT WORTH, TEXAS	9.7	3.9	.3	9.5	4.2	-.6	9.6	5.8	.5	8.5	4.1	-.6	9.6	5.2	-.2	8.6	5.3	-1.2
334	MEMPHIS,TENN.	8.5	4.1	.7	9.3	4.9	-.9	8.5	5.8	.2	9.3	3.6	-.7	8.5	4.4	.1	9.3	5.3	-.3
202	MIAMI, FLA.	4.9	2.3	-.3	6.2	3.8	.6	5.0	3.6	-.0	6.2	2.9	-.2	5.0	2.6	-.4	6.2	4.1	.7
231	NEW ORLEANS, LA.	7.5	3.7	-.6	9.3	5.2	-.6	7.5	4.9	-1.1	9.3	4.2	-.8	7.5	4.3	-1.2	9.2	5.3	-1.1
353	OKLAHOMA CITY, OKLA.	9.1	3.3	.6	9.1	4.6	-1.6	9.1	5.5	.5	9.1	3.9	-1.4	9.1	4.9	.0	9.0	5.4	-2.3
253	SAN ANTONIO, TEX.	6.4	3.6	-.2	8.2	5.5	-1.1	6.4	4.8	-1.1	8.2	4.6	-1.5	6.4	4.6	-1.6	8.2	6.3	-2.2
534	CHICAGO, ILL.	7.3	3.4	-.4	8.2	4.4	-.6	7.2	5.2	-.7	8.3	3.4	-.7	7.3	4.3	-.4	8.3	5.4	-.7
469	DENVER, COLO.	7.7	4.5	-1.3	7.2	5.2	-2.1	7.8	6.1	-1.7	7.2	4.3	-1.7	7.8	5.2	-1.9	7.1	5.3	-2.5
537	DETROIT,MICH.	6.3	3.3	.7	7.5	4.6	.2	6.3	4.5	.9	7.5	4.1	-1.0	6.3	3.9	.3	7.5	4.9	-.2
438	INDIANAPOLIS, IND.	8.0	4.1	.5	8.2	4.5	.1	8.0	5.7	.3	8.2	3.5	-.6	8.0	5.0	.2	8.3	5.3	.2
446	KANSAS CITY, MO.	9.3	4.8	.3	7.8	5.1	-1.3	9.3	6.6	.2	7.8	4.7	-1.0	9.3	5.9	.0	7.9	5.9	-1.8
658	MINNEAPOLIS, MINN.	8.1	3.9	.8	8.8	5.4	-.9	8.2	5.8	.3	8.8	4.7	-1.5	8.2	4.9	-.1	8.9	6.6	-2.4
434	ST. LOUIS, MO.	9.4	4.2	.2	8.0	4.7	-1.6	9.5	6.0	.7	8.0	4.2	-1.3	9.5	5.4	.1	8.0	5.2	-1.9
681	BOISE, IDAHO	5.1	3.5	.6	6.4	5.0	-2.2	5.3	4.4	-.2	6.4	4.3	-1.9	5.3	3.9	-.2	6.3	5.8	-3.4
775	GREAT FALLS,MONT.	8.3	4.3	.4	7.9	5.2	-1.5	8.4	6.3	.3	7.9	4.4	-1.4	8.4	5.2	-.3	7.9	6.2	-2.3
295	LOS ANGELES, CALIF.	3.9	2.3	.1	3.4	3.0	-1.5	3.9	4.0	-.1	3.4	2.8	-1.4	3.9	3.2	-.4	3.4	3.5	-2.1
638	PORTLAND, ORE.	5.6	3.7	.2	4.3	4.0	-1.7	5.6	4.6	-.1	4.9	3.4	-1.4	5.6	4.3	-.4	4.9	4.5	-2.5
572	SALT LAKE CITY, UT.	6.0	3.6	-.5	7.1	5.2	-2.1	6.0	5.1	-1.5	7.1	4.5	-1.3	6.0	4.5	-1.9	7.0	6.3	-3.5
494	SAN FRANCISCO, CALIF	4.1	3.0	.2	4.8	4.2	-2.2	4.1	3.9	-.0	4.8	3.5	-1.5	4.1	3.5	-.1	4.6	4.4	-2.4
793	SEATTLE, WASH.	4.6	3.4	.3	4.7	3.3	-1.3	4.6	4.5	.0	4.7	3.4	-1.8	4.6	4.0	-.1	4.6	4.4	-2.7

WSO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

EASTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72518	ALBANY, NEW YORK	5.6	3.4	-.1	7.0	3.9	-.3	5.6	4.6	-.3	7.0	3.4	-.1	5.6	4.0	-.1	6.8	4.9	-.2
72406	BALTIMORE, MD.	5.1	2.6	-.3	4.7	2.9	-.4	5.2	3.7	-.3	4.7	2.6	-.6	5.2	3.2	-.3	4.6	3.4	-.2
72412	BECKLEY, W. VA.	4.9	2.8	1.2	4.8	3.3	-.3	4.9	4.1	2.1	4.8	2.3	-.2	4.9	3.2	1.3	4.7	3.8	-.3
72515	BINGHAMTON, N. Y.	6.1	4.1	2.9	6.0	4.1	-.7	6.0	5.9	4.1	6.0	3.0	-1.0	6.0	4.6	3.3	5.9	4.7	-.3
72504	BRIDGEPORT, CONN.	4.8	3.3	.1	4.8	3.1	-1.0	4.9	4.4	1.3	4.8	2.6	-1.1	4.9	3.7	.2	4.7	3.8	-1.4
72528	BUFFALO, N. Y.	6.0	2.9	1.3	6.0	3.4	-.6	5.8	4.3	1.9	6.0	3.1	-.8	5.8	3.7	1.3	5.9	3.9	-.7
72617	BURLINGTON, VT.	6.6	3.6	1.0	7.2	4.1	-1.0	6.6	5.2	1.0	7.2	3.2	-.9	6.6	4.4	.7	7.1	4.5	-1.3
72712	CARIBOU, MAINE	6.1	3.1	.2	6.1	4.3	-2.2	6.1	5.1	1.0	6.1	3.8	-2.3	6.1	4.7	.5	5.9	5.0	-2.6
72414	CHARLESTON, W. VA.	5.2	3.0	.9	5.1	3.3	.5	5.0	3.7	1.4	5.1	2.8	-.3	5.0	3.2	1.0	4.9	3.8	.5
72605	CONCORD, N. H.	6.8	2.8	.1	7.8	4.4	.0	6.8	5.5	.3	7.8	3.7	-.1	6.8	4.7	-.1	7.7	6.0	.2
72429	DAYTON, OHIO	4.6	2.5	.5	5.6	3.7	-.9	4.5	3.6	.7	5.6	3.2	-1.5	4.5	3.2	.5	5.5	4.8	-1.4
72417	ELKINS, W. VA.	4.9	2.6	.8	5.9	3.9	1.1	4.9	3.7	1.2	5.9	3.7	1.1	4.9	3.4	1.4	5.8	4.8	2.0
72508	HARTFORD, CONN.	6.3	4.1	-.3	5.9	3.7	-.9	6.3	5.7	-.1	5.9	3.0	-.9	5.3	4.6	-.6	5.9	4.1	-1.5
72425	HUNTINGTON, W. VA.	4.9	1.8	.9	4.9	2.6	.3	4.7	3.3	1.6	4.9	2.2	-.2	4.7	2.6	1.4	4.7	3.2	-.2
72410	LYNCHBURG, VIRGINIA	4.4	2.3	.4	4.0	2.7	.4	4.4	3.6	.7	4.0	2.0	.0	4.4	2.9	.3	4.0	3.0	.3
72308	NORFOLK, VIRGINIA	4.8	2.2	.9	4.2	2.8	-1.1	5.0	3.3	1.1	4.2	2.8	-1.6	5.0	3.5	.9	4.2	3.6	-1.8
72606	PORTLAND, MAINE	6.3	3.6	.1	5.0	3.0	-1.2	6.3	5.4	-.3	5.0	2.7	-.9	5.3	4.3	.0	5.0	4.1	-1.9
72507	PROVIDENCE, R. I.	5.9	3.6	1.3	5.8	3.2	-.5	5.9	4.9	1.5	5.8	2.5	-.5	5.9	3.9	1.1	5.8	3.7	-.5
72401	RICHMOND, VIRGINIA	4.4	2.6	-.7	4.8	3.0	-.5	4.5	3.7	-.9	4.8	2.7	-.9	4.5	3.2	-.9	4.7	3.3	-.7
72411	ROANOKE, VIRGINIA	4.6	2.3	.2	4.4	2.9	-.1	4.6	3.4	.5	4.4	2.5	-.2	4.6	2.8	.4	4.4	3.6	-.1
72529	ROCHESTER, N. Y.	6.7	3.1	-.0	6.9	3.9	-.6	6.5	4.7	.6	6.9	3.4	-1.0	6.5	3.8	.1	6.7	4.5	-.6
72519	SYRACUSE, NEW YORK	6.2	3.1	1.0	6.9	3.8	.5	6.1	4.7	1.8	6.9	3.2	.4	6.1	3.6	1.3	6.8	4.4	.6
99006	WILMINGTON, DEL.	4.7	2.9	-.1	4.9	3.2	-.9	4.8	3.8	.2	4.9	2.6	-1.2	4.8	3.3	.1	4.8	3.5	-1.3
99017	WORCESTER,MASS.	6.2	3.4	2.2	4.9	3.0	-.1	6.3	5.6	3.3	4.9	3.0	-.6	6.3	5.1	2.9	4.7	4.0	.4

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
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WSO TEMPERATURE FORECASTS NOV 1970 - APR 1971

EASTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72518	ALBANY, NEW YORK	7.3	3.6	.0	9.8	5.8	.6	7.4	4.7	.2	9.8	4.2	-.0	7.4	4.3	-.2	10.0	6.2	.6
72406	BALTIMORE, MD.	7.1	2.9	-.2	6.3	3.3	-.5	7.1	4.4	.7	6.3	2.8	-.8	7.1	4.3	.5	6.3	4.0	-.1
72412	BECKLEY, W. VA.	9.5	3.7	.2	9.2	5.2	-.3	9.4	5.3	.2	9.2	3.1	-.3	9.4	4.4	-.2	9.1	5.6	-.3
72515	BINGHAMTON, N. Y.	6.6	4.0	1.0	7.0	4.1	-.7	6.6	4.3	1.3	6.9	3.1	-.7	6.6	4.7	1.6	7.1	4.7	.0
72504	BRIDGEPORT, CONN.	5.6	3.1	-.7	5.8	3.7	-1.0	5.5	4.0	-.8	5.8	2.7	-1.2	5.5	4.0	-1.3	5.9	3.9	-1.2
72528	BUFFALO, N. Y.	7.0	2.9	.9	6.5	3.9	-.4	7.0	4.2	1.3	6.5	3.2	-1.1	7.0	3.8	1.1	6.5	4.6	-.5
72617	BURLINGTON, VT.	7.0	3.1	1.0	9.9	5.9	.7	6.9	4.3	.5	9.9	3.7	-.6	6.9	4.2	-.0	10.0	7.0	.3
72712	CARIBOU, MAINE	6.3	3.2	-.1	8.3	6.4	-1.0	6.3	5.4	-.1	8.3	4.5	-.9	6.3	4.7	-.1	8.9	7.4	-.2
72414	CHARLESTON, W. VA.	9.8	4.0	1.1	9.2	4.8	-.4	9.6	5.7	1.3	9.2	3.8	-1.2	9.6	4.7	.8	9.2	5.5	-.0
72605	CONCORD, N. H.	6.1	3.2	-.5	9.3	5.3	-.4	5.9	4.7	-.9	9.3	4.3	-.6	5.9	4.1	-.6	9.3	5.9	.1
72429	DAYTON, OHIO	7.3	3.5	.2	7.5	4.3	-.8	7.4	5.0	-1.0	7.5	3.7	-.8	7.4	4.5	-.6	7.6	4.7	.1
72417	ELKINS, W. VA.	10.1	3.6	-.6	10.5	5.9	.2	10.0	5.4	-.3	10.5	5.2	.1	10.0	4.7	-.4	10.6	6.4	1.7
72508	HARTFORD, CONN.	6.8	3.7	.1	6.8	3.6	-.3	6.7	4.5	.4	6.8	3.2	-.5	6.7	4.3	-.3	7.0	4.8	-.3
72425	HUNTINGTON, W. VA.	9.6	2.2	-.6	9.3	4.4	-1.9	9.4	4.8	-1.1	9.3	3.1	-1.3	9.4	4.3	-1.0	9.1	5.1	-1.5
72410	LYNCHBURG, VIRGINIA	8.4	3.6	.0	7.2	3.5	-.3	8.3	5.4	-.2	7.2	2.9	-.6	8.3	5.3	-.6	7.1	4.3	-.1
72308	NORFOLK, VIRGINIA	8.5	3.0	-.3	7.0	4.5	-3.1	8.6	4.7	-1.0	7.0	3.7	-2.6	8.6	4.5	-.9	7.2	4.8	-2.6
72606	PORTLAND, MAINE	5.6	2.8	.5	7.3	4.8	-.2	5.5	4.0	.4	7.3	3.8	-.3	5.5	3.3	-.1	7.3	5.6	-.4
72507	PROVIDENCE, R. I.	6.3	3.0	-.5	6.5	3.7	-.6	6.2	4.1	-.7	6.5	2.9	-.5	6.2	3.4	-.5	6.5	3.9	-.2
72401	RICHMOND, VIRGINIA	8.0	4.0	-.3	7.9	4.3	.1	8.0	5.0	-.3	7.9	3.5	-.5	8.0	4.9	-.4	7.9	4.7	.5
72411	ROANOKE, VIRGINIA	9.2	3.9	-1.2	7.6	4.3	.3	9.1	5.9	-1.1	7.6	3.5	-.3	9.1	4.3	-1.1	7.6	4.7	-.1
72529	ROCHESTER, N. Y.	7.1	3.1	.2	7.8	4.7	.4	7.1	4.6	.9	7.8	3.4	-.4	7.1	3.9	.7	7.8	5.3	.7
72519	SYRACUSE, NEW YORK	6.9	3.0	.2	7.4	4.2	-.1	6.8	4.8	.4	7.4	3.5	-.9	6.8	3.9	-.6	7.3	5.6	-.4
99006	WILMINGTON, DEL.	5.8	3.2	-.1	6.3	3.7	-.0	5.7	4.1	.1	6.3	3.0	-1.0	5.7	4.0	-.2	6.5	3.9	-.3
99017	WORCESTER, MASS.	6.2	2.4	1.0	6.6	3.6	-.0	6.2	4.3	1.6	6.7	3.0	-.3	6.5	4.3	1.2	6.7	4.2	.4

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SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72266	ABILENE, TEXAS	4.0	2.2	.8	3.7	2.7	-.5	4.1	3.4	.9	3.7	2.3	-.3	4.1	2.5	.5	3.8	3.4	.4
72363	AMARILLO, TEXAS	5.8	3.0	.6	4.5	3.2	-.4	5.9	4.8	.8	4.5	2.8	-.6	6.0	3.8	1.1	4.6	3.9	-.2
72311	ATHENS, GEORGIA	3.6	2.8	.8	3.1	2.3	-.2	3.6	3.7	.8	3.1	2.1	-.6	3.6	3.1	.6	3.1	2.9	-.2
72218	AUGUSTA, GEORGIA	3.4	2.4	.4	3.2	2.9	-.5	3.5	3.2	.5	3.2	2.6	-.7	3.5	2.7	.4	3.2	3.4	-.9
72254	AUSTIN, TEXAS	3.1	2.3	1.3	3.0	2.6	-.3	3.1	3.3	2.1	3.1	2.0	-.3	3.1	2.7	1.1	3.0	3.2	.3
99016	BATON ROUGE, LA.	2.9	2.2	.8	2.9	2.4	-.2	2.8	2.7	1.4	2.9	2.0	-.3	2.8	2.2	1.1	2.8	2.6	.1
99022	BRISTOL, TENNESSEE	4.1	2.9	-.5	4.0	2.9	-.2	4.0	3.5	-.4	4.0	2.4	-.4	4.0	3.3	-.5	4.0	3.4	-.1
72250	BROWNSVILLE, TEXAS	2.5	1.6	.1	2.8	2.3	-.2	2.4	2.2	.3	2.8	2.0	-.4	2.4	1.9	.0	2.8	3.0	-.2
72324	CHATTANOOGA, TENN.	3.7	2.8	.6	3.2	2.7	-.2	3.7	3.7	1.4	3.7	2.4	-.3	3.7	3.1	.7	3.4	3.6	-.3
99011	COLUMBUS, GEORGIA	3.5	2.5	.9	3.6	2.3	-1.0	3.6	3.1	.7	3.6	2.2	-1.2	3.6	2.9	.1	3.7	2.8	-1.2
72251	CORPUS CHRISTI, TEX.	2.5	2.0	.3	3.0	2.3	-.3	2.5	2.5	.5	3.0	1.9	-.3	2.5	1.9	-.1	3.1	2.9	-.0
99007	DAYTONA BEACH, FLA.	2.0	1.7	-.1	2.5	2.2	-.6	1.9	2.1	-.0	2.5	2.0	-.6	1.9	1.7	.1	2.4	2.6	-.5
72261	DEL RIO, TEXAS	3.2	2.0	.5	3.2	2.4	.0	3.1	3.1	1.0	3.2	2.2	-.2	3.1	2.5	.8	3.3	3.2	-.3
72270	EL PASO, TEXAS	4.2	2.2	.3	3.4	3.1	-.3	4.2	3.6	.6	4.4	2.8	-.5	4.2	2.7	.5	4.3	3.8	-.7
72375	FLAGSTAFF, ARIZONA	3.4	1.8	.1	5.0	2.6	-1.0	3.4	2.2	-.2	5.0	2.4	-1.2	3.4	3.1	-.4	5.0	3.0	-.8
99008	FORT MYERS, FLORIDA	1.8	1.4	.3	1.3	1.4	-.1	1.7	1.7	.5	1.2	1.3	-.0	1.8	1.4	.4	1.2	1.4	-.1
72344	FORT SMITH, ARKANSAS	4.1	3.1	.4	4.3	3.0	-.7	4.1	3.8	.7	4.3	2.5	-.9	4.1	3.5	.8	4.4	3.5	-.8
72242	GALVESTON, TEXAS	2.1	1.7	.8	2.5	2.4	-.4	2.1	2.1	.8	2.2	1.7	-.6	2.1	1.8	.3	2.2	2.4	-.2
72243	HOUSTON, TEXAS	2.9	2.2	.8	3.5	2.8	.9	2.9	3.0	1.3	3.5	2.5	-.4	2.9	2.4	.7	3.5	3.9	1.3
72323	HUNTSVILLE, ALABAMA	4.0	2.6	.6	3.8	2.5	.4	3.9	3.4	1.0	3.8	2.1	-.2	3.9	2.8	.8	3.8	3.1	-.2
72235	JACKSON, MISS.	3.4	2.4	.3	3.8	2.8	-.0	3.3	3.0	.3	3.8	2.7	-.1	3.3	2.7	.3	3.7	3.4	-.2
72206	JACKSONVILLE, FLA.	2.9	2.4	.4	2.6	2.4	-.4	3.0	3.1	.4	2.6	2.4	-.7	3.0	2.8	.4	2.6	2.8	-.6
72201	KEY WEST, FLORIDA	1.1	1.0	.3	1.1	1.1	.1	1.1	1.0	.4	1.1	1.0	-.1	1.1	.9	.3	1.1	1.5	-.1
72326	KNOXVILLE, TENNESSEE	3.7	2.4	.4	3.5	2.6	-.8	3.7	3.2	.6	3.5	2.3	-.9	3.7	2.7	.5	3.5	3.2	-1.1
72240	LAKE CHARLES, LA.	3.1	2.3	.7	2.6	2.0	.1	3.1	2.7	.6	2.6	1.7	-.3	3.1	2.3	.8	2.6	2.7	0.0
99009	LAKELAND, FLORIDA	2.1	1.7	.8	1.8	1.4	.2	2.0	2.2	1.2	1.5	1.2	-.1	2.1	1.8	.5	1.6	1.5	-.2
72340	LITTLE ROCK, ARK.	4.0	2.8	.5	4.0	2.8	-.2	4.1	3.5	.9	4.0	2.4	-.4	4.1	3.0	.3	4.0	3.4	-.6
72423	LOUISVILLE, KENTUCKY	4.6	2.8	1.2	4.8	3.0	-.1	4.5	3.7	1.9	4.8	2.7	-.6	4.5	3.1	1.3	4.8	3.4	-.5
72267	LUBBOCK, TEXAS	5.2	2.9	.7	4.4	3.3	-.7	5.4	4.7	1.2	4.4	3.0	-1.0	5.3	3.5	.7	4.4	4.0	-.9
72217	MACON, GEORGIA	3.1	2.3	-.4	3.1	2.6	-.5	3.2	3.5	-.7	3.1	2.3	-.9	3.2	2.9	-.4	3.1	3.1	-.7
72234	MERIDIAN, MISS.	3.2	2.9	.7	3.1	2.5	.0	3.1	2.5	.7	3.1	2.8	.4	3.2	2.2	.6	3.1	3.5	.4
72265	MIDLAND, TEXAS	4.2	2.6	.6	3.7	3.0	0.0	4.4	4.1	.9	3.7	2.8	-.5	4.4	3.0	.6	3.7	3.6	-.1
72223	MOBILE, ALABAMA	3.2	2.4	.3	2.6	1.9	-.4	3.1	3.0	.2	2.6	1.8	-.7	3.1	2.6	.1	2.5	2.6	-.7
72226	MONTGOMERY, ALABAMA	3.1	2.3	.6	3.0	2.4	.2	3.1	2.9	.8	3.0	2.1	-.3	3.1	2.7	.6	3.0	2.9	.0
72327	NASHVILLE, TENNESSEE	4.1	2.5	1.0	4.0	2.4	-.4	4.0	3.4	1.3	4.0	2.5	-.7	4.0	2.8	1.1	4.0	3.5	-.8
72205	ORLANDO, FLORIDA	1.9	1.6	.2	1.6	1.4	-.3	1.9	2.1	.3	1.6	1.4	-.6	1.9	1.8	.4	1.6	1.7	-.4
72278	PHOENIX, ARIZONA	2.7	1.8	.4	3.1	3.3	-1.2	2.7	3.0	.6	3.1	2.6	-.8	2.7	2.2	.2	3.2	3.2	-.9
72241	PORT ARTHUR, TEXAS	2.9	2.2	-.7	2.9	2.7	-.5	2.8	2.7	-.5	2.9	1.9	-.5	2.8	2.1	.4	2.8	2.8	-.2
72263	SAN ANGELO, TEXAS	3.9	2.0	.4	3.9	3.5	.1	4.0	4.4	.7	3.9	3.3	-.2	4.0	3.1	.3	3.9	4.4	.4
78526	SAN JUAN, P. R.	1.7	1.2	.0	1.3	1.1	-.4	1.6	1.5	.1	1.3	.8	-.3	1.6	1.0	.1	1.3	1.0	-.3
72207	SAVANNAH, GEORGIA	2.8	2.1	.6	3.1	2.5	.1	2.9	2.8	.6	3.1	2.1	-.2	2.9	2.2	.5	3.0	2.9	-.1
72248	SHREVEPORT, LA.	3.1	2.1	.4	3.4	2.3	-.3	3.0	2.8	.7	3.4	2.0	-.6	3.0	2.4	.1	3.4	3.1	-.5
72256	VICTORIA, TEXAS	2.7	1.5	.5	2.1	1.6	-.1	2.7	1.8	.6	2.1	1.5	-.2	2.7	1.4	.4	2.0	2.3	-.2
72214	TALLAHASSEE, FLA.	2.6	1.9	.5	2.9	2.7	.1	2.7	2.7	.7	2.9	2.4	-.1	2.6	2.3	.4	3.0	3.3	-.1
72211	TAMPA, FLORIDA	2.0	1.6	-.1	2.3	1.9	.1	2.0	2.1	.1	2.3	1.7	-.4	2.0	1.7	-.1	2.3	2.3	-.1
72356	TULSA, OKLAHOMA	5.0	3.2	.5	4.5	3.0	-.4	4.9	4.2	.8	4.5	2.7	-.5	4.9	3.6	.6	4.5	3.6	-.0
72256	WACO, TEXAS	3.3	2.5	.8	3.2	3.0	-.1	3.4	3.4	1.0	3.2	2.5	-.2	3.4	3.1	.6	3.3	3.5	.2
99010	WEST PALM BEACH, FLA	1.6	1.5	.1	1.3	1.0	.1	1.6	1.7	.2	1.3	.8	.1	1.6	1.6	.2	1.3	2.0	.2
72351	WICHITA FALLS, TEXAS	5.0	2.6	.1	4.3	3.1	.7	5.1	3.9	.7	4.3	2.7	.3	5.1	2.9	.6	4.3	4.0	1.2

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

SOUTHERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72266	ABILENE, TEXAS	10.1	4.2	.6	10.0	4.6	-1.3	10.2	6.0	.7	10.1	3.3	-1.1	10.2	4.8	.2	9.8	5.6	-1.0
72363	AMARILLO, TEXAS	10.6	4.0	.9	7.7	3.3	-1.0	10.5	6.3	-.1	7.7	3.4	-.6	10.5	5.3	.5	7.6	4.3	-.6
72311	ATHENS, GEORGIA	8.1	4.2	.3	8.1	4.3	-.1	8.2	5.7	1.1	8.1	3.3	-1.1	8.2	4.8	.7	7.9	4.9	.4
72218	AUGUSTA, GEORGIA	7.3	3.8	.0	8.6	4.4	-.3	7.5	4.9	.1	8.6	3.6	-1.0	7.5	4.2	-.4	8.5	5.3	.3
72254	AUSTIN, TEXAS	8.3	4.7	.8	9.5	5.3	-1.0	8.2	5.5	.9	9.5	3.8	-1.7	8.2	5.0	.3	9.2	6.1	-1.7
99016	BATON ROUGE, LA.	7.1	3.2	-.2	8.5	5.1	-1.6	7.1	4.6	-.3	3.5	3.7	-1.4	7.1	3.0	-.3	3.4	5.3	-1.3
93022	BRISTOL, TENNESSEE	8.3	3.6	-.7	8.3	4.4	-.3	8.7	5.2	-.8	8.3	4.0	-.4	8.7	4.4	-1.1	8.8	5.2	-.1
72250	BROWNSVILLE, TEXAS	5.6	2.5	.5	6.8	4.6	-1.7	5.6	3.9	.1	6.8	3.7	-1.8	5.6	3.3	-.3	6.8	5.6	-2.3
72324	CHATTANOOGA, TENN.	7.7	3.5	-.6	7.2	4.7	-.2	7.7	4.3	-1.0	7.4	4.3	-1.2	7.7	4.3	-1.2	7.0	5.4	-2.4
99011	COLUMBUS, GEORGIA	7.1	3.7	.4	8.7	4.6	-.9	7.1	4.3	-.1	8.7	4.1	-1.7	7.1	3.7	-.2	8.6	5.4	-.5
72251	CORPUS CHRISTI, TEX.	7.3	3.5	-.3	7.3	4.6	-1.6	7.3	4.9	-1.3	7.3	3.0	-1.3	7.3	3.6	-1.0	7.7	5.3	-1.8
93007	DAYTONA BEACH, FLA.	6.9	2.7	.0	7.1	4.2	.5	7.1	4.1	.3	7.1	3.5	-.7	7.1	3.4	-.4	7.0	5.1	.4
72261	DEL RIO, TEXAS	7.0	4.1	.2	6.6	4.3	-1.3	7.0	5.0	-.6	6.6	4.1	-1.7	7.0	4.9	-1.0	6.5	5.6	-2.2
72270	EL PASO, TEXAS	5.7	2.4	-.3	8.0	5.1	-1.0	5.7	4.1	-1.9	8.0	4.2	-.4	5.7	3.4	-1.0	8.0	5.8	-1.6
72375	FLAGSTAFF, ARIZONA	5.5	1.9	.1	6.4	3.8	-2.0	5.2	2.6	-.2	6.4	2.3	-1.5	5.2	3.0	-.1	6.3	2.3	-1.0
93003	FORT MYERS, FLORIDA	4.1	2.0	-.4	6.4	3.7	.5	4.1	3.0	.1	6.5	3.2	-.5	4.1	2.4	-.1	6.5	4.6	-.1
72344	FORT SMITH, ARKANSAS	8.5	4.2	1.0	8.6	4.5	-1.0	8.5	5.6	1.2	8.6	3.6	-.7	8.5	5.2	.4	8.7	5.1	-.7
72242	GALVESTON, TEXAS	5.2	2.7	.3	5.6	3.4	-1.1	5.1	3.4	-.3	5.6	2.9	-1.5	5.1	3.3	-.4	5.2	4.8	-1.3
72243	HOUSTON, TEXAS	6.3	3.4	-.3	9.8	5.3	.4	6.4	4.7	-.3	9.3	4.2	-.4	6.4	4.5	-.7	9.7	6.3	-.3
72323	HUNTSVILLE, ALABAMA	8.4	3.7	.5	9.0	4.2	-.8	8.4	5.7	1.1	9.0	3.6	-1.2	8.4	4.4	.4	8.8	5.5	-.3
72235	JACKSON, MISS.	8.5	3.3	.1	10.6	5.1	-.2	8.5	4.9	-.2	10.6	4.4	-1.3	8.5	4.4	-.2	10.4	5.7	-.6
72206	JACKSONVILLE, FLA.	8.7	3.4	-.2	8.3	4.5	.5	6.9	4.4	-.1	8.3	3.7	-.7	6.9	3.9	-.4	8.2	5.3	.6
72201	KEY WEST, FLORIDA	3.0	1.4	.1	3.3	1.9	.3	3.0	2.1	.3	3.3	1.7	-.3	3.0	1.7	.1	3.3	2.4	-.0
72326	KNOXVILLE, TENNESSEE	3.3	3.4	.3	3.7	4.5	-.1	3.7	5.3	-.0	3.7	3.4	-.9	3.7	3.9	.3	8.5	5.1	-.0
72240	LAKE CHARLES, LA.	6.3	3.1	.1	7.6	4.6	-.4	6.2	4.1	-.4	7.6	3.6	-.9	6.2	3.7	.2	7.4	5.5	-.7
99009	LAKELAND, FLORIDA	5.6	2.2	-.1	6.9	2.9	-.1	5.6	3.5	.4	6.0	2.4	-.2	5.6	2.7	.2	6.0	3.6	.4
72340	LITTLE ROCK, ARK.	8.0	4.0	.8	9.3	4.5	-.7	9.1	5.9	-.0	9.3	3.4	-.8	8.1	5.0	-.0	9.2	4.9	-1.0
72423	LOUISVILLE, KENTUCKY	8.7	3.7	.8	8.6	4.5	-1.0	3.6	5.0	.6	3.6	3.7	-1.2	3.6	4.4	.3	3.3	5.2	-.3
72267	LUBBOCK, TEXAS	9.3	3.5	.7	8.0	4.2	-1.9	9.7	5.5	.1	8.0	3.6	-2.2	9.7	5.2	-.1	7.9	5.8	-2.4
72217	MACON, GEORGIA	7.1	4.0	-.2	8.7	4.9	-.9	7.2	4.8	-.8	8.7	4.5	-2.3	7.2	4.2	-.3	8.6	5.6	-.8
72234	MERIDIAN, MISS.	7.6	3.0	1.1	9.3	4.0	-.9	7.6	4.0	.5	9.2	3.4	-1.5	7.6	4.0	.2	9.1	4.7	-1.1
72265	MIDLAND, TEXAS	8.7	4.0	-.2	7.1	4.2	-1.8	8.7	5.8	-.8	7.1	4.0	-2.4	8.7	5.1	-.7	7.0	5.1	-2.3
72223	MOBILE, ALABAMA	6.2	2.3	.2	8.3	4.3	-1.0	6.2	4.2	-.1	8.3	3.7	-1.6	6.2	3.5	-.2	8.7	5.2	-1.1
72226	MONTGOMERY, ALABAMA	7.5	3.3	.7	8.7	4.2	-.3	7.5	4.6	.8	8.7	3.5	-.3	7.5	4.0	.4	8.5	5.4	.9
72327	NASHVILLE, TENNESSEE	9.7	3.9	1.1	10.1	5.6	-.5	8.7	5.4	.9	10.1	3.4	-1.2	8.7	4.3	.4	10.1	5.6	-.5
72205	ORLANDO, FLORIDA	5.9	2.9	-.8	7.7	3.6	-.5	6.0	3.9	-.4	7.7	3.0	-.3	6.0	3.2	-.3	7.5	4.6	-.3
72278	PHOENIX, ARIZONA	3.7	2.3	-.2	4.2	3.4	-1.6	3.7	3.6	-1.0	4.2	2.7	-.9	3.7	2.7	-.6	4.3	3.7	-1.3
72241	PORT ARTHUR, TEXAS	5.8	3.0	.0	8.4	4.5	-1.3	5.9	3.8	-.6	8.4	3.3	-1.5	5.9	3.6	.2	8.3	5.6	-1.5
72263	SAN ANGELO, TEXAS	9.2	4.3	-.1	9.9	6.2	-2.4	9.1	6.6	-1.6	9.9	4.5	-2.1	9.1	6.2	-.9	9.9	6.8	-2.5
78526	SAN JUAN, P. R.	1.4	1.2	.2	1.6	1.4	-.3	1.5	1.5	.3	1.6	1.0	-.9	1.5	1.0	.2	1.6	1.4	-.5
72207	SAVANNAH, GEORGIA	7.6	3.6	.2	8.8	4.2	-.3	7.7	4.3	.2	8.3	3.4	-.7	7.7	4.3	-.1	8.3	5.3	-.3
72248	SHREVEPORT, LA.	8.3	3.8	-.6	9.3	4.7	-1.4	8.3	5.3	-.8	9.3	3.8	-1.6	8.3	4.3	-.7	9.2	5.6	-1.5
72255	VICTORIA, TEXAS	6.3	2.4	.3	9.0	4.2	-.3	6.2	3.7	-.2	9.0	3.0	-.9	6.2	3.1	-.3	9.0	5.5	-1.0
72214	TALLAHASSEE, FLA.	6.3	3.0	.5	9.2	5.1	1.5	5.2	4.2	-.7	9.2	4.0	-.1	6.4	3.3	.4	9.2	6.2	1.4
72211	TAMPA, FLORIDA	5.2	2.5	-.4	7.6	4.1	.2	5.2	3.3	-.1	7.6	3.2	-.3	5.2	3.0	-.1	7.6	5.2	-.2
72356	TULSA, OKLAHOMA	9.1	4.1	.3	9.4	5.1	-2.3	9.1	5.8	.5	9.4	4.0	-1.9	9.1	5.1	-.2	9.3	6.1	-2.7
72256	WACO, TEXAS	8.5	4.1	.1	9.9	5.2	-1.3	8.5	5.9	-.1	9.9	4.3	-1.7	8.5	4.8	-.8	10.0	5.9	-2.0
99010	WEST PALM BEACH, FLA	4.3	2.2	.2	6.5	4.8	1.9	4.4	3.0	.5	6.5	3.6	-.9	4.4	2.6	.2	6.4	5.1	2.0
72351	WICHITA FALLS, TEXAS	9.9	3.1	.1	9.0	4.3	.2	9.9	5.6	.5	9.0	3.4	-.1	9.9	4.7	.0	9.0	5.3	.7

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

WSO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

CENTRAL REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72462	ALAMOSA, COLORADO	4.3	1.8	-.1	4.3	2.2	-.2	4.3	2.1	-.2	4.3	2.0	-.1	4.3	2.0	-.3	4.5	2.5	.0
99014	BURLINGTON, IOWA	5.3	3.9	1.9	5.4	3.5	1.1	5.4	4.7	2.5	5.4	3.0	.5	5.4	4.0	1.5	5.4	4.0	.6
72569	CASPER, WYOMING	6.4	3.4	-.0	5.4	3.7	-.4	6.4	4.4	-.2	5.4	3.3	-.7	6.4	3.8	-.3	5.4	4.3	-.9
72564	CHEYENNE, WYOMING	6.3	3.1	-.3	4.6	3.6	-1.3	6.3	4.9	-.4	4.6	3.2	-1.4	6.3	4.0	-.3	4.6	4.0	-1.5
72546	DES MOINES, IOWA	5.6	3.2	1.2	5.4	3.2	-1.1	5.6	4.4	1.4	5.4	3.0	-1.2	5.6	3.9	.9	5.3	4.2	-1.6
72451	DODGE CITY, KANSAS	7.4	4.1	.3	5.0	3.3	-.4	7.4	5.9	.8	5.0	2.9	-.5	7.4	4.8	.7	5.0	3.6	-.3
72476	GRAND JUNCTION, COLO	4.2	2.8	-.2	5.1	3.7	-.9	4.2	4.2	-.4	5.1	3.8	-1.3	4.2	3.6	-.5	5.1	4.5	-1.7
72654	HURON, S. DAK.	7.4	4.1	.6	7.4	4.5	-1.3	7.3	5.5	.2	7.4	4.3	-1.5	7.3	4.7	.4	7.1	5.3	-2.2
72747	INTERNATIONAL FALLS	6.9	4.0	.8	6.9	4.1	-1.6	6.7	5.4	1.0	6.9	4.4	-2.1	6.7	4.9	-.5	7.1	5.1	-2.7
72576	LANDER, WYOMING	6.2	2.9	-.2	4.6	3.4	-.7	6.2	4.4	-.4	4.6	3.0	-.7	6.2	4.1	-.7	4.6	3.9	-.7
72743	MARQUETTE, MICH.	8.3	4.0	.7	5.8	3.9	-.8	8.4	6.3	1.5	5.8	3.1	-.9	8.4	5.2	1.2	5.7	4.2	-1.3
72544	MOLINE, ILLINOIS	5.9	3.6	1.0	5.9	3.6	-.6	5.9	4.5	1.2	5.9	3.1	-1.0	5.9	4.1	.9	5.9	4.0	-.9
72464	PUEBLO, COLORADO	6.2	3.9	-1.0	5.1	4.5	-1.6	6.2	5.4	-.8	5.1	4.5	-1.3	6.2	4.8	-.8	5.1	4.8	-1.4
72662	RAPID CITY, S. DAK.	7.6	3.2	-.3	5.7	3.5	-.4	7.5	5.6	-.9	5.7	2.7	-.4	7.5	4.7	.2	5.6	4.0	-.3
72734	SAULT STE. MARIE	6.0	3.4	.8	6.4	4.1	.2	6.2	4.3	1.4	7.0	3.1	-.7	6.2	4.0	1.1	6.6	4.1	-.1
72666	SHERIDAN, WYOMING	6.8	3.0	-.1	5.1	3.5	-.4	6.9	4.6	-.9	5.1	3.1	-.7	6.9	3.8	-.6	5.2	4.0	-.5
72456	TOPEKA, KANSAS	5.5	3.4	1.1	6.2	3.6	-.1	5.4	5.0	1.1	6.2	3.0	-.9	5.4	4.2	.7	6.2	4.7	-.5
72450	WICHITA, KANSAS	5.9	4.0	1.1	5.4	3.9	-.5	6.0	5.8	.9	5.4	3.2	-.8	5.9	4.7	.7	5.4	4.8	-1.0
72767	WILLISTON, N. DAK.	6.8	3.6	.2	5.9	4.2	-.0	6.8	5.2	-1.1	5.9	4.0	-.5	6.8	4.4	-.2	5.8	4.7	-.9

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
TE = MEAN ABSOLUTE FORECAST ERROR
TG = MEAN ALGEBRAIC FORECAST ERROR

WSO TEMPERATURE FORECASTS NOV 1970 - APR 1971

CENTRAL REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72462	ALAMOSA, COLORADO	5.9	1.7	-.2	7.4	1.9	.1	6.1	2.1	-.0	7.4	1.7	-.1	5.9	1.8	-.3	7.4	2.0	-.0
99014	BURLINGTON, IOWA	8.3	3.3	-.8	7.7	4.1	-.7	8.3	5.2	-.5	7.7	3.4	-.6	8.3	4.4	-1.0	7.7	5.4	-.8
72563	CASPER, WYOMING	7.2	3.7	-.2	8.9	6.1	-2.2	7.3	5.8	-1.4	8.9	4.3	-2.1	7.3	4.8	-1.0	8.9	6.9	-2.6
72564	CHEYENNE, WYOMING	8.3	3.8	-.6	7.6	5.7	-2.2	8.4	6.4	-1.4	7.6	4.9	-2.4	8.4	5.9	-1.4	7.7	7.0	-2.9
72546	DES MOINES, IOWA	8.1	3.4	-.0	7.8	4.8	-2.1	8.2	5.5	.1	7.8	3.8	-1.7	8.2	4.7	.0	7.8	5.6	-1.3
72451	DODGE CITY, KANSAS	10.2	4.9	.1	7.4	4.4	-.9	10.2	6.7	.3	7.4	3.7	-1.2	10.2	5.6	.3	7.2	5.0	-1.3
72476	GRAND JUNCTION, COLO	5.1	3.6	-1.0	5.6	4.5	-1.4	5.1	5.1	-1.7	5.6	4.0	-1.4	5.1	4.3	-1.2	5.4	6.5	-1.9
72654	HURON, S. DAK.	8.4	3.8	.7	9.4	5.6	-1.3	8.5	6.0	.9	9.4	4.5	-1.5	8.5	5.2	.3	9.4	7.0	-1.7
72747	INTERNATIONAL FALLS	6.9	3.4	.4	10.6	6.3	-1.0	6.7	4.3	.3	10.6	5.6	-1.3	6.7	4.3	.1	10.7	7.1	-1.2
72576	LANDER, WYOMING	7.0	3.3	-.3	7.5	5.7	-2.8	7.1	5.6	-1.0	7.5	4.2	-2.0	7.1	4.8	-.9	7.5	6.1	-2.3
72743	MARQUETTE, MICH.	6.1	2.3	-.4	5.9	3.7	-.8	5.8	4.3	-.8	5.9	2.9	-1.2	5.8	3.8	-.7	5.7	4.5	-1.5
72544	MOLINE, ILLINOIS	8.4	3.7	-1.0	7.8	5.1	-.4	8.4	5.8	-1.3	7.8	4.4	-1.0	8.4	4.8	-1.4	7.9	5.8	.1
72464	PUEBLO, COLORADO	3.6	5.2	-1.3	7.7	5.3	-1.3	3.3	7.2	-1.7	7.7	5.2	-1.7	3.6	5.8	-1.7	7.6	6.1	-2.1
72662	RAPID CITY, S. DAK.	10.2	4.0	.2	7.9	4.8	-1.9	10.2	7.5	-.6	7.9	3.6	-2.2	10.2	6.0	-.3	8.0	5.8	-1.9
72734	SAULT STE. MARIE	5.9	3.1	.7	7.8	4.8	.3	5.9	4.0	.8	7.8	4.0	-.9	5.9	3.6	.2	7.7	5.5	-.3
72666	SHERIDAN, WYOMING	8.9	3.3	-.6	8.7	5.6	-2.4	9.0	6.2	-1.3	8.7	4.3	-2.4	9.0	5.0	-1.3	8.7	6.9	-2.9
72456	TOPEKA, KANSAS	8.7	3.6	.7	8.3	5.1	-1.4	8.3	6.1	1.4	8.3	3.9	-1.7	8.3	4.3	.5	8.3	5.5	-2.0
72450	WICHITA, KANSAS	8.7	4.8	1.3	8.9	4.8	-.1	8.7	6.0	1.4	8.9	4.0	-.5	8.7	5.6	.7	8.9	6.0	-.2
72767	WILLISTON, N. DAK.	8.0	4.0	.8	8.3	5.7	-1.3	8.1	5.6	1.1	8.3	4.5	-1.3	8.1	4.8	.2	8.4	6.6	-2.4

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
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TG = MEAN ALGEBRAIC FORECAST ERROR

WSO TEMPERATURE FORECASTS MAY 1970 - OCT 1970

WESTERN REGION

INDEX		0600Z SCORES									1800Z SCORES								
		1ST PERIOD			2ND PERIOD			3RD PERIOD			1ST PERIOD			2ND PERIOD			3RD PERIOD		
NO.		TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG	TV	TE	TG
72791	ASTORIA, OREGON	4.0	2.8	-.6	4.6	3.7	-1.2	4.0	4.1	-.8	4.6	3.5	-1.6	4.0	3.3	-.5	4.6	4.5	-1.4
72677	BILLINGS, MONTANA	6.9	3.4	.5	4.5	3.2	-.5	6.9	4.7	.1	4.5	3.0	-.4	6.9	3.9	.3	4.7	3.8	-.9
72486	ELY, NEVADA	5.1	3.4	1.6	5.5	4.2	-1.0	5.3	5.0	2.3	5.5	3.9	-1.4	5.1	3.8	1.4	5.5	4.6	-1.3
72693	EUGENE, OREGON	5.7	3.8	.1	4.4	3.3	-.8	5.8	5.1	.1	4.4	2.9	-.6	5.8	4.4	-.2	4.4	3.7	-.5
72594	EUREKA, CALIFORNIA	2.8	2.3	.2	2.2	2.0	-.8	2.8	3.3	-.1	2.2	1.5	-.7	2.8	2.7	.1	2.2	2.1	-.9
72389	FRESNO, CALIFORNIA	3.8	2.3	.4	2.9	2.6	-.1	3.8	3.4	.9	2.9	2.1	-.4	3.8	2.5	.5	2.9	2.9	-.2
72768	GLASGOW, MONTANA	7.1	3.9	.3	5.2	3.7	-1.0	7.1	5.6	-.5	5.2	3.7	-1.5	7.1	4.8	-.8	5.3	4.2	-2.0
72777	HAVRE, MONTANA	7.1	3.6	-.2	5.9	4.3	-.4	7.1	5.3	-1.3	5.9	3.8	-.5	7.1	4.3	-.8	6.1	4.6	-.7
72772	HELENA, MONTANA	6.3	3.3	.6	4.9	3.4	-.5	6.2	4.7	.3	4.9	3.3	-1.0	6.2	4.1	-.2	5.0	4.2	-1.2
72779	KALISPELL, MONTANA	5.6	3.6	.5	5.7	4.6	-.5	5.6	5.0	.7	5.7	3.6	-.4	5.6	4.1	.3	5.8	4.9	-.1
72386	LAS VEGAS, NEVADA	4.2	2.9	1.0	4.3	4.1	-.5	4.2	4.1	.9	4.3	3.4	-1.3	4.2	3.4	.5	4.2	4.1	-1.9
72597	MEDFORD, OREGON	5.5	2.8	.0	5.1	3.3	-1.2	5.5	4.8	0.0	5.1	2.9	-1.4	5.5	3.7	-.4	5.1	3.9	-1.3
72773	MISSOULA, MONTANA	6.4	3.7	.6	4.7	3.6	-.9	6.4	5.4	.5	4.7	3.1	-1.0	6.4	4.5	.2	4.8	4.3	-1.3
72792	OLYMPIA, WASHINGTON	5.5	3.3	.2	4.9	4.0	-.5	5.6	4.9	-.2	4.9	3.4	-.5	5.6	4.3	-.0	5.0	4.1	-.5
72578	POCATELLO, IDAHO	5.8	3.4	.8	6.2	4.8	-2.6	5.8	5.1	.8	6.2	4.4	-3.2	5.7	3.9	.3	6.2	5.5	-3.5
72591	RED BLUFF, CALIF.	4.7	2.4	-.1	3.5	3.2	-1.2	4.8	4.3	.5	3.5	2.7	-.9	4.8	3.5	.5	3.6	3.5	-.8
72488	RENO, NEVADA	4.8	3.0	.1	5.4	4.2	-1.5	4.8	4.0	.5	5.4	3.8	-.8	4.8	3.4	.5	5.3	4.9	-1.0
72483	SACRAMENTO, CALIF.	4.6	2.7	.1	3.2	2.4	-.7	4.5	4.3	.4	3.2	2.2	-.6	4.5	3.7	.2	3.2	3.1	-.5
72694	SALEM, OREGON	6.0	3.3	.4	5.2	4.1	-.6	5.9	5.3	.4	5.2	4.3	-1.8	5.9	4.2	.2	5.2	4.7	-1.8
72290	SAN DIEGO, CALIF.	2.5	1.9	.3	1.3	1.4	-.5	2.4	2.8	.6	1.3	1.2	-.6	2.4	2.3	.4	1.2	1.8	-.8
72785	SPOKANE, WASHINGTON	5.6	2.8	-.1	4.8	3.1	-.9	5.6	4.7	.0	4.8	3.0	-.8	5.6	3.9	.2	4.8	4.1	-1.3
72492	STOCKTON, CALIFORNIA	4.4	2.9	-.1	2.9	3.0	-.3	4.4	4.7	.1	2.9	2.5	-.8	4.4	4.0	-.3	2.9	3.4	-.6
72274	TUCSON, ARIZONA	2.9	2.3	.0	3.1	2.7	-1.1	2.9	3.3	1.1	3.1	2.6	-1.0	2.9	2.7	.2	3.1	3.2	-1.1
72374	WINSLOW, ARIZONA	3.9	2.7	.4	4.9	4.0	-.9	3.8	4.1	.5	4.9	3.8	-.6	3.8	3.5	.6	4.9	4.7	-.4
72781	YAKIMA, WASHINGTON	4.8	2.6	-.4	5.6	3.8	-1.0	4.7	3.7	-.6	5.6	3.5	-1.2	4.7	2.9	-.2	5.5	4.5	-1.0

TV = MEAN ABSOLUTE 24-HOUR OBSERVED VARIABILITY
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WSO TEMPERATURE FORECASTS NOV 1970 - APR 1971

WESTERN REGION

INDEX NO.		0600Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG	1800Z SCORES 1ST PERIOD TV	TE	TG	2ND PERIOD TV	TE	TG	3RD PERIOD TV	TE	TG
72731	ASTORIA, OREGON	3.4	2.5	.8	5.2	3.7	-1.2	3.5	3.3	.6	5.2	3.0	-1.2	3.5	2.8	.3	5.2	4.2	-1.4
72677	BILLINGS, MONTANA	8.9	4.0	.3	7.4	4.7	.1	8.9	6.7	.4	7.4	3.8	-.3	9.0	5.1	-.5	7.4	5.6	-1.0
72486	ELY, NEVADA	6.3	4.1	-.6	8.0	6.1	-2.3	6.3	5.7	-1.1	8.0	4.9	-1.3	6.3	4.3	-.5	7.3	6.9	-2.0
72693	EUGENE, OREGON	5.1	3.2	.9	5.3	4.0	-.7	5.2	4.5	.3	5.3	3.1	-.8	5.2	3.8	.0	5.3	4.8	-.7
72534	EUREKA, CALIFORNIA	2.9	2.5	.1	3.9	3.3	-1.3	2.9	3.3	.0	3.9	2.1	-1.2	2.9	2.8	.6	3.7	5.5	-1.4
72389	FRESNO, CALIFORNIA	3.9	2.8	-.1	4.7	3.7	-1.2	4.0	4.2	-.4	4.7	2.9	-1.0	4.0	3.4	-.4	4.6	4.2	-1.4
72768	GLASGOW, MONTANA	3.6	4.3	1.1	8.2	5.9	-2.1	8.7	6.9	1.3	8.2	5.8	-2.3	8.7	5.4	-.3	8.3	6.8	-2.3
72777	HAVRE, MONTANA	10.0	4.4	1.1	9.5	6.4	-1.7	10.0	7.0	.7	9.5	5.6	-2.1	10.0	6.0	-.1	9.5	7.5	-1.9
72772	HELENA, MONTANA	7.2	3.4	.2	7.9	5.0	-1.2	7.3	5.7	-.3	7.9	4.4	-1.5	7.3	4.7	-.9	7.6	6.2	-1.5
72779	KALISPELL, MONTANA	6.1	3.7	-.0	7.1	5.2	-.5	6.0	5.5	-.6	7.1	4.4	-1.3	6.0	4.6	-1.0	7.1	6.4	-1.5
72386	LAS VEGAS, NEVADA	4.3	3.1	-.2	5.1	4.4	-2.6	4.3	4.1	-.3	5.1	4.2	-2.1	4.3	3.7	-.7	5.0	4.3	-2.3
72597	MEDFORD, OREGON	5.1	3.3	.4	5.1	4.0	-1.6	5.2	4.3	.4	5.1	3.2	-1.6	5.2	4.2	.4	5.1	4.7	-2.2
72773	MISSOULA, MONTANA	6.0	4.1	-.7	6.2	4.6	-1.3	6.1	5.4	-1.6	6.2	3.6	-1.6	6.1	4.8	-1.1	6.0	5.0	-2.6
72792	OLYMPIA, WASHINGTON	4.5	3.3	.4	5.5	4.2	-.6	4.5	4.5	.6	5.5	3.4	-.8	4.5	4.2	.0	5.6	4.7	-.5
72578	POCATELLO, IDAHO	5.4	3.2	.4	7.3	5.5	-2.9	5.5	5.0	-.1	7.3	3.2	-3.0	5.5	4.2	-.8	7.2	6.9	-3.2
72591	RED BLUFF, CALIF.	5.1	2.8	.7	4.2	3.1	-1.7	5.1	3.5	1.1	4.2	2.1	-1.5	5.1	3.0	.3	4.1	3.7	-2.3
72433	RENO, NEVADA	6.2	3.9	-.7	7.7	5.3	-1.2	6.1	5.7	-1.1	7.7	4.9	-.9	6.1	4.8	-1.6	7.3	6.6	-1.5
72483	SACRAMENTO, CALIF.	3.8	2.7	.7	4.0	3.2	-1.6	3.9	3.8	.6	4.0	2.9	-1.7	3.9	3.4	.6	3.9	3.9	-2.0
72694	SALEM, OREGON	4.8	3.0	.3	5.8	4.1	-.3	4.8	4.2	.6	5.8	3.4	-1.3	4.8	3.9	.7	5.8	4.8	-1.8
72290	SAN DIEGO, CALIF.	3.5	2.5	.3	3.5	2.4	-1.4	3.5	3.7	.4	3.5	2.3	-1.4	3.5	2.8	.4	3.4	3.0	-1.8
72785	SPOKANE, WASHINGTON	4.9	2.8	.2	5.5	3.8	-1.4	4.9	4.4	-.6	5.5	3.6	-1.4	4.9	3.9	-.5	5.4	4.7	-1.9
72432	STOCKTON, CALIFORNIA	3.8	3.0	-.4	4.5	3.3	-.6	3.8	4.2	-.8	4.5	3.2	-1.3	3.8	3.5	-.7	4.4	4.2	-1.6
72274	TUCSON, ARIZONA	4.9	3.0	-.0	6.2	5.6	-1.8	5.0	4.6	-.3	6.2	4.4	-1.7	5.0	3.4	-.7	5.1	5.7	-2.2
72374	WINSLOW, ARIZONA	6.1	3.9	-.7	6.2	5.1	-2.2	6.1	6.2	-1.4	6.2	4.6	-1.4	6.1	4.8	-1.5	6.2	5.3	-1.6
72781	YAKIMA, WASHINGTON	4.3	3.2	-.2	4.9	3.3	-.7	4.9	4.7	-1.4	4.3	3.0	-.4	4.9	4.0	-1.1	4.8	4.1	-.9

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NMC QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA MAY 1970 - OCT 1970

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.79157	.85103	.88481	.78212	.83332	.89248
RQ	.93511	.94152	.97716	.91550	.95737	.96428
AO	1.03458	1.70288	1.26802	1.32330	1.55084	1.64708
A1	.54794	.43927	.63429	.46742	.52288	.52868
RL	.70031	.79676	.88557	.83532	.84424	.79867
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.07124	.07659	.07963	.07039	.07500	.08032
.2	.12665	.13616	.14157	.12514	.13333	.14280
.3	.16623	.17872	.18581	.16425	.17500	.18742
.4	.18998	.20425	.21236	.18771	.20000	.21420
.5	.19789	.21276	.22120	.19553	.20833	.22312
.6	.18998	.20425	.21236	.18771	.20000	.21420
.7	.16623	.17872	.18581	.16425	.17500	.18742
.8	.12665	.13616	.14157	.12514	.13333	.14280
.9	.07124	.07659	.07963	.07039	.07500	.08032
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	1.03458	1.70288	1.26802	1.32330	1.55084	1.64708
10.0	6.51398	6.09558	7.61092	5.99750	6.77964	6.93388

A = QUADRATIC CONSTANT ESTIMATION
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PF = RELATIVE PRECIPITATION FREQUENCY
$\hat{B}$ = A PF (1-PF)
TV = MEAN ABSOLUTE 24-HOUR VARIABILITY
$\hat{TE}$ = AO + A1 TV

NMC QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA NOV 1970 - APR 1971

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.68721	.76276	.82890	.67708	.77635	.83734
RQ	.86318	.90590	.92753	.87931	.88936	.94089
AO	1.27035	2.42811	1.32211	2.11353	1.63243	3.04960
A1	.47024	.38563	.59547	.37336	.51718	.36410
RL	.86275	.68036	.87133	.71531	.83339	.58457
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.06185	.06865	.07460	.06094	.06987	.07536
.2	.10995	.12204	.13262	.10833	.12422	.13397
.3	.14431	.16018	.17407	.14219	.16303	.17584
.4	.16493	.18306	.19894	.16250	.18632	.20096
.5	.17180	.19069	.20722	.16927	.19409	.20933
.6	.16493	.18306	.19894	.16250	.18632	.20096
.7	.14431	.16018	.17407	.14219	.16303	.17584
.8	.10995	.12204	.13262	.10833	.12422	.13397
.9	.06185	.06865	.07460	.06094	.06987	.07536
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	1.27035	2.42811	1.32211	2.11353	1.63243	3.04960
10.0	5.97275	6.28441	7.27681	5.84713	6.80423	6.69060

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PF = RELATIVE PRECIPITATION FREQUENCY
$\hat{B}$ = A PF (1-PF)
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$\hat{TE}$ = AO + A1 TV

WSFO QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA MAY 1970 - OCT 1970

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.74612	.82663	.88795	.73458	.82627	.89658
RQ	.93478	.94288	.97353	.90956	.95445	.96533
AO	.97139	1.36240	1.01637	1.00889	.93089	1.26850
A1	.41721	.42113	.62751	.41714	.53073	.54034
RL	.90342	.84602	.92910	.83015	.91066	.89629
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.06715	.07440	.07992	.06611	.07436	.08069
.2	.11938	.13226	.14207	.11753	.13220	.14345
.3	.15668	.17359	.18647	.15426	.17352	.18828
.4	.17907	.19839	.21311	.17630	.19831	.21518
.5	.18653	.20666	.22199	.18364	.20657	.22415
.6	.17907	.19839	.21311	.17630	.19831	.21518
.7	.15668	.17359	.18647	.15426	.17352	.18828
.8	.11938	.13226	.14207	.11753	.13220	.14345
.9	.06715	.07440	.07992	.06611	.07436	.08069
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	.97139	1.36240	1.01637	1.00889	.93089	1.26850
10.0	5.14349	5.57370	7.29147	5.18029	6.23819	6.67190

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PF = RELATIVE PRECIPITATION FREQUENCY
$\hat{B}$ = A PF (1-PF)
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$\hat{TE}$ = AO + A1 TV

WSFO QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA NOV 1970 - APR 1971

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.61535	.72848	.82373	.61699	.76286	.82330
RQ	.85249	.91596	.92501	.88169	.91320	.95024
AO	1.56555	1.96179	1.74806	2.01863	1.65858	2.28364
A1	.30195	.35928	.47042	.25266	.39294	.40409
RL	.77055	.73946	.83264	.62362	.80903	.71990
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.05538	.06556	.07414	.05553	.06866	.07410
.2	.09846	.11656	.13180	.09872	.12206	.13173
.3	.12922	.15298	.17298	.12957	.16020	.17289
.4	.14769	.17484	.19770	.14808	.18309	.19759
.5	.15384	.18212	.20593	.15425	.19071	.20583
.6	.14769	.17484	.19770	.14808	.18309	.19759
.7	.12922	.15298	.17298	.12957	.16020	.17289
.8	.09846	.11656	.13180	.09872	.12206	.13173
.9	.05538	.06556	.07414	.05553	.06866	.07410
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	1.56555	1.96179	1.74806	2.01863	1.65858	2.28364
10.0	4.58505	5.55459	6.45226	4.54523	5.58798	6.32454

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$\hat{B}$ = A PF (1-PF)
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$\hat{TE}$ = AO + A1 TV

WSO QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA MAY 1970 - OCT 1970

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.71037	.83350	.88919	.71020	.82481	.90803
RQ	.91752	.92600	.96723	.87741	.95811	.94785
AO	.91366	.96967	.87066	.88314	.70966	1.18801
A1	.39954	.48630	.66208	.42283	.56183	.56632
RL	.87825	.87922	.92436	.82754	.92552	.89478
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.06393	.07502	.08003	.06392	.07423	.08172
.2	.11366	.13336	.14227	.11363	.13197	.14528
.3	.14918	.17504	.18673	.14914	.17321	.19069
.4	.17049	.20004	.21341	.17045	.19795	.21793
.5	.17759	.20838	.22230	.17755	.20620	.22701
.6	.17049	.20004	.21341	.17045	.19795	.21793
.7	.14918	.17504	.18673	.14914	.17321	.19069
.8	.11366	.13336	.14227	.11363	.13197	.14528
.9	.06393	.07502	.08003	.06392	.07423	.08172
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	.91366	.96967	.87066	.88314	.70966	1.18801
10.0	4.90906	5.83267	7.49146	5.11144	6.32796	6.85121

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PF = RELATIVE PRECIPITATION FREQUENCY
$\hat{B}$ = A PF (1-PF)
TV = MEAN ABSOLUTE 24-HOUR VARIABILITY
$\hat{TE}$ = AO + A1 TV

WSO QUADRATIC CURVE (PRECIPITATION) AND LINEAR REGRESSION (TEMPERATURE) DATA NOV 1970 - APR 1971

	0600Z			1800Z		
	1ST PERIOD	2ND PERIOD	3RD PERIOD	1ST PERIOD	2ND PERIOD	3RD PERIOD
A	.55383	.72611	.82208	.57640	.74195	.82022
RQ	.81284	.91931	.94020	.88943	.93178	.95529
AO	1.52475	1.61561	1.63399	1.70332	1.48365	2.02526
A1	.26177	.37927	.46229	.25750	.38730	.43316
RL	.69429	.73001	.80172	.60275	.79890	.71330
PF	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$	$\hat{B}$
0.0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
.1	.04985	.06535	.07399	.05188	.06678	.07382
.2	.08861	.11618	.13153	.09222	.11871	.13123
.3	.11631	.15248	.17264	.12104	.15581	.17225
.4	.13292	.17427	.19730	.13834	.17807	.19685
.5	.13846	.18153	.20552	.14410	.18549	.20505
.6	.13292	.17427	.19730	.13834	.17807	.19685
.7	.11631	.15248	.17264	.12104	.15581	.17225
.8	.08861	.11618	.13153	.09222	.11871	.13123
.9	.04985	.06535	.07399	.05188	.06678	.07382
1.0	.00000	.00000	.00000	.00000	.00000	.00000
TV	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$	$\hat{TE}$
0.0	1.52475	1.61561	1.63399	1.70332	1.48365	2.02526
10.0	4.14245	5.40831	6.25689	4.27832	5.35665	6.35686

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PF = RELATIVE PRECIPITATION FREQUENCY
$\hat{B}$ = A PF (1-PF)
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MAY 1970 - OCT 1970 1ST PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1472	337	81.3	47.9	20.3	.2283	.1293	.1745	25.6	.1635	23.0
	FP	1472	337	81.3	51.2	19.8	.2283	.1265	.1745	27.5	.1665	24.3
	LCL	1441	332	83.2	55.5	19.1	.2304	.1183	.1754	32.6	.1692	30.1
	18Z											
	NMC	1472	335	81.5	47.5	18.3	.2276	.1227	.1738	29.4	.1669	26.4
	FP	1472	335	81.9	47.3	17.7	.2276	.1234	.1733	26.1	.1669	23.0
	LCL	1437	329	83.9	54.0	16.7	.2289	.1167	.1746	33.2	.1676	30.4
SOUTHERN												
	06Z											
	NMC	3310	732	77.9	45.3	23.0	.2211	.1399	.1683	16.9	.1612	13.2
	FP	3310	732	79.7	44.7	19.8	.2211	.1350	.1683	19.8	.1612	16.2
	LCL	3309	733	81.4	46.6	17.4	.2215	.1263	.1680	24.8	.1613	21.7
	18Z											
	NMC	3299	492	83.8	39.6	18.7	.1491	.1131	.1269	10.9	.1216	7.0
	FP	3305	492	85.8	39.4	15.1	.1489	.1043	.1268	17.7	.1214	14.1
	LCL	3309	506	85.9	41.4	13.1	.1529	.1031	.1294	20.3	.1245	17.2
CENTRAL												
	06Z											
	NMC	1988	292	84.9	39.3	18.1	.1469	.1080	.1248	13.5	.1181	8.6
	FP	1988	292	86.8	39.1	13.7	.1469	.0966	.1248	22.6	.1181	18.1
	LCL	1987	292	87.8	40.3	12.1	.1469	.0907	.1250	27.5	.1183	23.4
	18Z											
	NMC	1988	310	84.9	38.6	16.3	.1559	.1067	.1319	17.6	.1253	13.6
	FP	1988	310	86.2	39.3	13.4	.1559	.0998	.1319	24.4	.1259	20.7
	LCL	1991	308	86.6	40.0	11.8	.1542	.0940	.1280	26.6	.1221	23.1
WESTERN												
	06Z											
	NMC	2754	236	90.8	37.1	9.2	.0857	.0635	.0751	15.3	.0706	10.0
	FP	2755	236	92.0	42.1	8.5	.0857	.0591	.0750	21.3	.0706	16.3
	LCL	2756	239	92.5	45.8	7.4	.0867	.0549	.0757	27.5	.0712	22.9
	18Z											
	NMC	2740	254	90.0	36.3	9.4	.0927	.0691	.0807	14.4	.0761	9.1
	FP	2752	255	90.6	41.0	8.6	.0927	.0651	.0808	19.4	.0761	14.5
	LCL	2753	255	91.5	41.1	7.1	.0926	.0617	.0810	23.9	.0765	19.4
ALASKAN												
	06Z											
	NMC											
	FP	700	230	75.4	45.8	18.5	.3286	.1718	.2112	18.7	.1990	13.7
	LCL	703	231	75.7	49.5	18.0	.3286	.1663	.2109	21.2	.1992	16.5
	18Z											
	NMC											
	FP	701	220	75.2	47.6	21.1	.3138	.1736	.2116	17.9	.1949	10.9
	LCL	705	221	79.7	54.0	19.2	.3135	.1572	.2113	25.6	.1946	19.2
NATIONAL												
	06Z											
	NMC	9524	1597	83.6	43.5	17.2	.1677	.1096	.1332	17.8	.1271	13.8
	FP	9525	1597	85.1	44.7	14.9	.1677	.1037	.1332	22.1	.1271	18.4
	LCL	9493	1596	86.2	47.1	13.3	.1681	.0968	.1333	27.3	.1273	23.9
	18Z											
	NMC	9499	1391	85.4	40.7	15.4	.1464	.1010	.1219	17.2	.1164	13.2
	FP	9517	1392	86.7	41.6	13.1	.1463	.0958	.1218	21.4	.1163	17.7
	LCL	9490	1398	87.4	44.0	11.4	.1461	.0912	.1220	25.2	.1166	21.3

F = NUMBER OF FORECASTS
P = NUMBER OF PRECIPITATION CASES
PC = TOTAL PERCENT CORRECT
MP = MEAN PROBABILITY FORECAST, PRECIPITATION
MN = MEAN PROBABILITY FORECAST, NO PRECIPITATION
PF = RELATIVE PRECIPITATION FREQUENCY
B = BRIER SCORE
BC = CLIMATOLOGICAL BRIER SCORE
S = PERCENT IMPROVEMENT OF B OVER BC
BS = SAMPLE BRIER SCORE
SS = PERCENT IMPROVEMENT OF B OVER BS

NOV 1970 - APR 1971 1ST PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1445	423	80.3	55.7	13.3	.2927	.1273	.2018	36.9	.1969	35.4
	FP	1446	422	83.1	62.4	18.7	.2918	.1185	.2011	41.1	.1963	39.6
	LCL	1447	422	85.9	63.7	17.9	.2916	.1029	.2010	48.8	.1962	47.6
	18Z											
	NMC	1446	423	82.3	56.1	13.4	.2960	.1242	.2033	38.9	.1985	37.5
	FP	1448	429	82.9	60.9	17.4	.2963	.1196	.2034	41.2	.1986	39.8
	LCL	1445	427	84.7	66.1	17.3	.2955	.1125	.2029	44.6	.1984	43.3
SOUTHERN												
	06Z											
	NMC	3258	449	89.7	46.3	11.6	.1378	.0783	.1159	32.5	.1117	29.9
	FP	3258	449	90.3	48.1	8.9	.1373	.0721	.1159	37.8	.1117	35.5
	LCL	3161	430	91.4	51.0	6.4	.1360	.0659	.1146	42.5	.1102	40.2
	18Z											
	NMC	3258	425	83.1	48.6	12.3	.1304	.0761	.1105	31.1	.1048	27.3
	FP	3258	425	83.7	47.1	8.6	.1304	.0713	.1105	35.5	.1048	32.0
	LCL	3158	415	90.7	48.7	5.9	.1314	.0663	.1107	40.1	.1056	37.2
CENTRAL												
	06Z											
	NMC	1991	276	86.9	41.2	16.1	.1386	.0986	.1181	16.6	.1135	13.2
	FP	1991	276	89.0	43.1	10.9	.1386	.0826	.1181	30.1	.1135	27.2
	LCL	1987	281	90.1	46.9	10.4	.1414	.0765	.1201	36.3	.1153	33.6
	18Z											
	NMC	1991	285	88.0	45.0	16.1	.1431	.0937	.1206	22.3	.1155	18.9
	FP	1991	285	90.1	45.8	11.2	.1431	.0785	.1206	34.9	.1155	32.0
	LCL	1986	282	89.7	46.2	10.4	.1420	.0781	.1200	34.9	.1143	32.0
WESTERN												
	06Z											
	NMC	2707	555	81.3	48.6	18.3	.2050	.1202	.1544	22.2	.1446	16.9
	FP	2713	555	84.6	54.3	16.1	.2046	.1060	.1542	31.3	.1444	26.6
	LCL	2712	564	88.3	61.7	13.2	.2080	.0901	.1560	42.2	.1454	38.0
	18Z											
	NMC	2707	576	81.4	48.4	18.3	.2128	.1220	.1590	23.3	.1497	18.5
	FP	2712	577	84.4	54.6	16.1	.2123	.1063	.1591	33.2	.1499	29.1
	LCL	2714	579	86.6	58.7	13.3	.2133	.0955	.1594	40.1	.1499	36.3
ALASKAN												
	06Z											
	NMC											
	FP	723	135	82.2	51.1	14.9	.2697	.1329	.1735	23.4	.1491	10.8
	LCL	724	135	85.4	59.1	12.1	.2693	.1124	.1733	35.2	.1489	24.5
	18Z											
	NMC											
	FP	723	181	79.9	51.7	15.5	.2503	.1328	.1673	20.6	.1453	8.9
	LCL	724	131	84.4	62.3	13.7	.2500	.1082	.1671	35.3	.1456	25.7
NATIONAL												
	06Z											
	NMC	9401	1703	85.4	48.5	15.5	.1812	.1022	.1407	27.4	.1347	24.1
	FP	9408	1702	87.3	52.9	12.7	.1803	.0912	.1405	35.1	.1345	32.2
	LCL	9307	1697	89.4	58.3	10.8	.1823	.0810	.1413	42.7	.1349	40.0
	18Z											
	NMC	9402	1714	85.7	49.8	15.8	.1823	.1005	.1409	28.7	.1344	25.3
	FP	9409	1716	87.2	52.9	12.4	.1824	.0903	.1409	35.9	.1345	32.8
	LCL	9303	1703	88.4	56.1	10.6	.1831	.0845	.1412	40.2	.1349	37.3

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MAY 1970 - OCT 1970 2ND PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1472	335	80.0	42.7	19.8	.2276	.1358	.1738	21.9	.1669	18.6
	FP	1472	335	80.8	39.6	17.3	.2276	.1397	.1738	19.6	.1669	16.3
	LCL	1440	330	80.8	42.7	17.9	.2292	.1368	.1747	21.7	.1677	18.4
	18Z											
	NMC	1471	337	79.5	42.0	13.8	.2231	.1383	.1747	20.5	.1680	17.3
	FP	1470	337	78.6	41.5	19.7	.2293	.1437	.1748	17.8	.1681	14.5
	LCL	1437	331	78.8	43.3	20.0	.2303	.1443	.1753	17.4	.1686	14.1
SOUTHERN												
	06Z											
	NMC	3310	492	84.7	35.2	18.3	.1486	.1146	.1266	9.5	.1213	5.5
	FP	3310	492	84.8	32.3	14.8	.1486	.1110	.1266	12.3	.1213	8.4
	LCL	3311	508	84.3	33.2	13.2	.1534	.1140	.1293	12.1	.1243	8.6
	18Z											
	NMC	3299	727	79.1	38.2	21.2	.2204	.1448	.1677	13.7	.1605	9.8
	FP	3306	727	78.8	38.7	19.5	.2199	.1441	.1675	13.9	.1603	10.1
	LCL	3311	729	79.9	39.3	17.2	.2202	.1413	.1672	15.5	.1643	11.8
CENTRAL												
	06Z											
	NMC	1988	310	83.0	33.8	18.5	.1559	.1202	.1319	8.9	.1259	4.5
	FP	1988	310	83.7	31.9	15.2	.1559	.1153	.1319	12.6	.1259	8.4
	LCL	1988	308	84.0	30.3	14.2	.1544	.1157	.1232	9.3	.1223	5.4
	18Z											
	NMC	1988	295	84.9	32.6	16.5	.1484	.1103	.1258	11.3	.1135	7.2
	FP	1988	295	85.2	30.9	14.0	.1484	.1097	.1258	12.8	.1195	8.2
	LCL	1990	296	85.5	29.4	12.6	.1484	.1079	.1252	13.8	.1137	9.1
WESTERN												
	06Z											
	NMC	2754	255	89.7	28.3	9.3	.0926	.0744	.0307	7.8	.0761	2.3
	FP	2755	255	90.3	31.5	8.7	.0926	.0716	.0307	11.2	.0761	5.9
	LCL	2757	256	90.3	31.1	7.9	.0929	.0716	.0812	11.8	.0766	6.6
	18Z											
	NMC	2741	236	89.9	30.5	9.5	.0861	.0706	.0754	6.3	.0709	.5
	FP	2753	238	89.7	34.4	9.1	.0865	.0687	.0757	9.3	.0711	3.5
	LCL	2754	239	90.6	32.5	7.7	.0863	.0667	.0757	11.9	.0714	6.5
ALASKAN												
	06Z											
	NMC											
	FP	701	220	71.5	42.7	23.3	.3138	.1907	.2116	9.9	.1949	2.1
	LCL	704	221	70.7	43.0	22.5	.3139	.1917	.2115	9.4	.1948	1.6
	18Z											
	NMC											
	FP	701	232	71.5	42.0	22.4	.3310	.2004	.2123	5.6	.1999	-.2
	LCL	705	234	73.2	42.8	21.5	.3319	.2000	.2128	6.0	.2004	.2
NATIONAL												
	06Z											
	NMC	9524	1392	85.0	35.5	15.3	.1462	.1074	.1217	11.8	.1162	7.6
	FP	9525	1392	85.5	33.8	13.3	.1461	.1050	.1217	13.8	.1162	9.7
	LCL	9496	1402	85.4	34.4	12.4	.1469	.1056	.1222	13.6	.1168	9.6
	18Z											
	NMC	9499	1595	83.5	36.8	16.3	.1679	.1154	.1334	13.5	.1272	9.3
	FP	9517	1597	83.3	37.2	15.1	.1678	.1150	.1334	13.7	.1272	9.5
	LCL	9492	1595	84.0	37.2	13.6	.1680	.1132	.1330	14.9	.1270	10.9

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NOV 1970 - APR 1971 2ND PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1445	428	79.4	50.4	21.3	.2962	.1466	.2036	28.0	.1988	26.2
	FP	1447	428	81.1	52.1	18.6	.2958	.1393	.2033	31.5	.1985	29.8
	LCL	1447	427	80.5	54.6	19.4	.2951	.1370	.2023	32.4	.1983	30.9
	18Z											
	NMC	1446	423	80.7	51.4	21.0	.2925	.1386	.2017	31.3	.1961	29.3
	FP	1448	424	79.6	52.1	20.0	.2928	.1446	.2018	28.4	.1962	26.3
	LCL	1446	422	80.8	55.6	20.0	.2918	.1371	.2014	31.9	.1959	30.0
SOUTHERN												
	06Z											
	NMC	3258	424	88.3	41.8	12.8	.1301	.0847	.1103	23.2	.1046	19.1
	FP	3258	424	87.7	38.3	9.8	.1301	.0841	.1103	23.3	.1046	19.7
	LCL	3165	420	88.2	38.7	7.5	.1327	.0834	.1114	25.1	.1064	21.6
	18Z											
	NMC	3257	449	88.3	43.1	13.8	.1379	.0870	.1158	24.9	.1113	21.8
	FP	3257	449	88.2	37.9	10.1	.1379	.0866	.1158	23.5	.1113	20.4
	LCL	3163	436	88.3	39.0	7.3	.1373	.0857	.1157	26.0	.1112	23.0
CENTRAL												
	06Z											
	NMC	1991	285	86.1	38.5	16.8	.1431	.1027	.1206	14.8	.1195	11.1
	FP	1991	285	87.6	35.3	12.5	.1431	.0967	.1206	19.8	.1155	16.3
	LCL	1811	268	86.9	34.3	12.4	.1480	.0997	.1245	19.9	.1188	16.1
	18Z											
	NMC	1991	277	84.4	38.9	18.4	.1391	.1090	.1183	7.9	.1137	4.2
	FP	1991	277	86.3	35.6	14.0	.1391	.1000	.1183	15.5	.1137	12.1
	LCL	1810	269	86.4	35.4	13.0	.1486	.1008	.1257	19.8	.1207	16.5
WESTERN												
	06Z											
	NMC	2706	577	79.4	44.9	19.5	.2132	.1350	.1593	15.2	.1500	10.0
	FP	2712	577	81.7	47.4	16.3	.2128	.1215	.1591	23.7	.1499	18.9
	LCL	2714	579	81.6	46.0	14.7	.2133	.1209	.1594	24.1	.1498	19.3
	18Z											
	NMC	2706	553	79.5	42.2	19.2	.2044	.1330	.1543	13.9	.1442	7.8
	FP	2713	556	80.3	46.5	17.9	.2043	.1253	.1547	19.0	.1446	13.3
	LCL	2714	565	82.0	46.1	15.6	.2082	.1227	.1563	21.5	.1457	15.7
ALASKAN												
	06Z											
	NMC											
	FP	723	181	80.9	48.5	17.8	.2503	.1406	.1673	15.9	.1458	3.5
	LCL	724	181	81.1	50.3	15.0	.2500	.1380	.1671	17.4	.1456	5.2
	18Z											
	NMC											
	FP	723	194	79.1	46.6	16.0	.2683	.1437	.1716	16.3	.1460	1.6
	LCL	724	194	80.1	50.1	14.6	.2680	.1351	.1714	21.2	.1459	7.3
NATIONAL												
	06Z											
	NMC	9400	1714	83.9	44.4	16.7	.1823	.1125	.1409	20.2	.1345	16.3
	FP	9408	1714	84.9	44.3	13.5	.1822	.1060	.1408	24.7	.1344	21.1
	LCL	9137	1694	84.8	44.5	12.2	.1854	.1063	.1427	25.5	.1363	22.0
	18Z											
	NMC	9400	1702	83.8	44.2	17.3	.1811	.1128	.1407	19.8	.1343	16.0
	FP	9409	1706	84.4	43.9	14.5	.1813	.1102	.1408	21.7	.1345	18.0
	LCL	9133	1692	85.1	44.9	12.8	.1853	.1078	.1433	24.8	.1367	21.1

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MAY 1970 - OCT 1970 3RD PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1472	337	78.3	39.4	21.2	.2289	.1468	.1746	15.9	.1673	12.6
	FP	1472	337	78.2	37.2	20.2	.2289	.1526	.1746	12.6	.1679	9.1
	LCL	1440	331	78.6	39.6	20.6	.2299	.1497	.1751	14.5	.1683	11.0
	18Z											
	NMC	1471	336	80.0	38.4	19.3	.2284	.1418	.1744	18.7	.1673	15.2
	FP	1471	336	78.0	33.2	17.3	.2284	.1526	.1744	12.5	.1673	8.8
	LCL	1439	332	78.0	34.6	17.8	.2307	.1538	.1758	12.5	.1685	8.7
SOUTHERN												
	06Z											
	NMC	3307	726	78.2	35.5	21.2	.2195	.1493	.1573	10.8	.1601	6.7
	FP	3310	727	77.9	34.1	18.9	.2196	.1518	.1674	9.3	.1601	5.2
	LCL	3310	729	78.5	33.9	16.7	.2202	.1517	.1672	9.3	.1603	5.4
	18Z											
	NMC	3297	490	84.5	27.8	16.8	.1486	.1134	.1266	5.6	.1210	1.3
	FP	3306	491	84.4	26.7	14.3	.1485	.1195	.1265	5.6	.1210	1.2
	LCL	3310	504	83.5	27.0	13.0	.1523	.1239	.1289	3.9	.1237	-.1
CENTRAL												
	06Z											
	NMC	1935	295	85.0	29.0	16.6	.1486	.1165	.1260	7.6	.1196	2.6
	FP	1935	295	85.1	26.6	14.0	.1486	.1123	.1260	10.4	.1196	5.6
	LCL	1986	295	85.1	24.8	12.5	.1486	.1132	.1255	9.8	.1189	4.9
	18Z											
	NMC	1987	313	83.0	26.6	17.0	.1575	.1261	.1331	5.3	.1271	.8
	FP	1988	313	83.5	25.1	14.6	.1574	.1232	.1330	7.4	.1270	3.0
	LCL	1990	312	84.2	23.7	12.9	.1568	.1186	.1295	8.4	.1237	4.1
WESTERN												
	06Z											
	NMC	2754	238	90.7	23.8	8.6	.0864	.0722	.0757	4.5	.0712	-1.5
	FP	2755	233	90.2	25.3	8.5	.0864	.0728	.0756	3.8	.0712	-2.3
	LCL	2756	239	90.5	24.2	7.6	.0867	.0717	.0757	5.2	.0713	-.5
	18Z											
	NMC	2738	254	90.2	24.3	8.6	.0928	.0770	.0807	4.6	.0760	-1.4
	FP	2754	255	90.2	27.3	9.5	.0926	.0743	.0806	7.3	.0759	1.5
	LCL	2754	256	90.2	25.1	7.6	.0930	.0756	.0811	6.8	.0765	1.2
ALASKAN												
	06Z											
	NMC											
	FP	701	232	70.2	39.9	23.6	.3310	.2020	.2123	4.9	.1999	-1.0
	LCL	705	234	68.2	38.5	23.4	.3319	.2081	.2128	2.2	.2004	-3.9
	18Z											
	NMC											
	FP	701	219	69.5	39.3	24.6	.3124	.2008	.2107	4.7	.1954	-2.8
	LCL	705	220	69.9	39.6	23.6	.3121	.1993	.2104	5.3	.1952	-2.1
NATIONAL												
	06Z											
	NMC	9518	1536	83.3	33.4	16.2	.1677	.1198	.1333	10.2	.1271	5.8
	FP	9522	1597	83.0	32.1	14.8	.1677	.1209	.1333	9.3	.1271	4.9
	LCL	9492	1594	83.4	31.9	13.4	.1678	.1200	.1330	9.8	.1270	5.5
	18Z											
	NMC	9493	1333	85.2	29.5	14.7	.1467	.1120	.1221	8.3	.1165	3.8
	FP	9513	1335	84.9	28.0	13.2	.1465	.1124	.1220	7.8	.1163	3.4
	LCL	9493	1404	84.8	27.7	12.1	.1479	.1133	.1223	7.3	.1168	3.0

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NOV 1970 - APR 1971 3RD PERIOD PRECIPITATION FORECASTING PERFORMANCE WITHIN ECHELONS

		F	P	PC	MP	MN	PF	B	BC	S	BS	SS
EASTERN												
	06Z											
	NMC	1445	422	77.3	49.2	23.8	.2920	.1532	.2016	24.0	.1961	21.9
	FP	1447	424	78.2	48.8	21.1	.2930	.1520	.2019	24.7	.1962	22.5
	LCL	1448	423	77.9	51.4	21.7	.2921	.1479	.2014	26.6	.1958	24.5
	18Z											
	NMC	1446	429	76.0	47.2	23.2	.2967	.1595	.2036	21.6	.1982	19.5
	FP	1448	429	76.7	43.1	19.6	.2963	.1644	.2035	19.2	.1981	17.0
	LCL	1446	427	76.9	46.7	20.6	.2953	.1575	.2032	22.5	.1981	20.5
SOUTHERN												
	06Z											
	NMC	3258	449	87.3	36.5	13.3	.1378	.0931	.1153	19.6	.1113	16.4
	FP	3256	449	87.3	31.3	10.1	.1379	.0952	.1158	17.8	.1114	14.5
	LCL	3165	436	87.5	31.5	7.4	.1378	.0953	.1157	17.6	.1111	14.3
	18Z											
	NMC	3257	422	87.1	37.7	14.4	.1296	.0932	.1097	15.0	.1034	9.9
	FP	3257	422	87.7	31.7	9.6	.1296	.0911	.1037	16.3	.1034	11.9
	LCL	3164	416	88.0	30.8	6.9	.1319	.0929	.1105	15.9	.1050	11.5
CENTRAL												
	06Z											
	NMC	1988	277	85.3	29.3	16.4	.1333	.1123	.1135	5.2	.1193	1.3
	FP	1988	277	86.1	26.5	12.7	.1333	.1072	.1185	9.6	.1179	5.9
	LCL	1812	269	85.0	26.5	12.6	.1485	.1113	.1255	11.3	.1205	7.7
	18Z											
	NMC	1991	283	84.5	34.5	17.7	.1421	.1103	.1193	8.0	.1145	3.7
	FP	1991	283	85.9	30.0	14.0	.1421	.1062	.1199	11.4	.1145	7.3
	LCL	1809	268	85.2	29.0	13.3	.1481	.1081	.1246	13.3	.1184	8.7
WESTERN												
	06Z											
	NMC	2707	555	79.6	38.3	18.1	.2050	.1373	.1545	11.2	.1446	5.1
	FP	2713	555	78.8	40.5	17.8	.2046	.1361	.1544	11.9	.1444	5.8
	LCL	2714	565	79.4	38.9	15.8	.2082	.1375	.1563	12.0	.1456	5.6
	18Z											
	NMC	2707	577	73.5	35.4	17.9	.2132	.1454	.1599	9.0	.1435	2.7
	FP	2712	580	73.6	40.5	17.2	.2139	.1354	.1601	15.5	.1499	9.7
	LCL	2714	579	80.1	39.7	15.2	.2133	.1334	.1599	16.5	.1493	10.7
ALASKAN												
	06Z											
	NMC											
	FP	723	194	78.8	43.5	18.7	.2683	.1537	.1716	10.5	.1460	-5.2
	LCL	724	194	78.5	44.6	17.4	.2680	.1532	.1714	10.6	.1458	-5.1
	18Z											
	NMC											
	FP	723	181	77.0	43.1	18.4	.2503	.1529	.1666	8.3	.1444	-5.9
	LCL	724	181	78.9	44.5	17.6	.2500	.1501	.1664	9.8	.1442	-4.1
NATIONAL												
	06Z											
	NMC	9738	1703	83.1	39.1	16.7	.1812	.1191	.1407	15.3	.1345	11.4
	FP	9404	1705	83.2	38.0	14.3	.1813	.1183	.1408	16.0	.1345	12.0
	LCL	9139	1693	83.1	38.1	12.9	.1853	.1193	.1433	16.7	.1367	12.7
	18Z											
	NMC	9401	1711	82.4	38.8	17.2	.1820	.1221	.1407	13.3	.1336	8.6
	FP	9408	1714	83.3	37.2	14.0	.1822	.1184	.1408	16.0	.1337	11.5
	LCL	9133	1690	83.3	37.6	12.5	.1850	.1182	.1427	17.1	.1355	12.8

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MAY 1970 - OCT 1970 1ST PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1451	4.1	5.8	28.1	.1	6.6	72.3	22.3	4.1	1.3
	FP	1472	3.5	5.3	33.1	.4	5.7	73.2	16.6	3.5	.7
	LCL	1441	3.2	5.8	44.7	.3	5.0	83.2	14.4	2.0	.4
	18Z										
	NMC	1418	4.1	5.8	29.3	-1.9	5.7	72.3	22.7	4.6	.4
	FP	1472	3.2	5.8	44.1	-1.1	4.4	83.3	14.6	1.9	.2
	LCL	1441	3.1	5.3	46.6	-1.1	4.0	84.0	14.7	1.2	.1
SOUTHERN											
	06Z										
	NMC	3237	2.7	3.2	16.1	.4	9.2	88.9	9.7	1.7	.6
	FP	3305	2.3	3.2	27.8	.2	7.3	91.1	7.4	1.3	.2
	LCL	3311	2.2	3.2	31.3	.4	6.5	92.3	6.4	1.1	.2
	18Z										
	NMC	3115	2.7	3.1	13.4	-.7	8.6	88.2	10.4	1.2	.2
	FP	3306	2.2	3.1	23.3	-.5	5.7	92.1	7.4	.4	.1
	LCL	3310	2.2	3.1	29.6	-.4	5.1	93.2	6.2	.5	.1
CENTRAL											
	06Z										
	NMC	1321	4.4	6.4	31.5	.4	6.8	71.0	22.3	4.7	1.5
	FP	1386	3.7	6.4	42.8	.2	5.8	77.6	18.7	3.1	.6
	LCL	2024	3.6	6.4	44.1	.2	5.7	79.4	17.3	2.7	.6
	18Z										
	NMC	1818	3.3	5.7	32.6	-1.0	6.3	74.6	21.3	3.5	.2
	FP	1385	3.5	5.7	38.5	-.8	6.1	78.0	19.8	2.0	.2
	LCL	2023	3.5	5.6	37.0	-1.0	5.3	79.6	17.8	2.3	.3
WESTERN											
	06Z										
	NMC	2675	3.7	5.1	26.1	1.1	6.9	77.9	18.0	3.3	.8
	FP	2744	3.1	5.1	38.7	.6	6.5	84.6	12.7	2.1	.6
	LCL	2756	3.0	5.1	41.7	.4	6.3	85.4	12.1	2.1	.4
	18Z										
	NMC	2565	3.6	4.4	13.0	-1.6	7.5	73.0	17.2	3.2	.6
	FP	2754	3.2	4.4	27.3	-1.2	7.0	82.1	15.0	2.3	.6
	LCL	2756	3.0	4.4	31.6	-1.1	6.5	84.5	12.8	2.3	.4
ALASKAN											
	06Z										
	NMC										
	FP	701	3.5	4.2	16.5	-.3	7.2	78.7	17.8	2.9	.6
	LCL	705	3.2	4.2	24.5	-.5	6.8	81.1	17.0	1.8	.1
	18Z										
	NMC										
	FP	701	3.8	4.5	15.6	-.5	9.5	76.6	19.4	3.1	.9
	LCL	705	3.3	4.5	26.5	-.2	8.4	81.6	16.5	1.3	.6
NATIONAL											
	06Z										
	NMC	9284	3.6	4.8	25.7	.6	7.1	79.4	16.4	3.2	1.0
	FP	9507	3.0	4.3	37.4	.3	6.2	84.6	12.7	2.2	.5
	LCL	9532	2.9	4.8	40.5	.4	5.3	86.1	11.6	1.9	.4
	18Z										
	NMC	8916	3.4	4.4	23.3	-1.2	6.9	80.2	16.6	2.8	.4
	FP	9517	2.9	4.4	34.0	-.9	5.8	84.9	13.3	1.5	.3
	LCL	9530	2.9	4.4	35.5	-.8	5.4	86.4	11.9	1.5	.2

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NOV 1970 - APR 1971 1ST PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1400	4.5	7.1	36.1	1.1	6.2	67.2	25.4	6.2	1.1
	FP	1448	3.7	7.1	47.3	.6	4.9	77.2	19.3	3.0	.5
	LCL	1419	3.3	7.1	53.6	.1	4.2	80.6	17.3	2.0	.1
	18Z										
	NMC	1392	5.2	8.1	35.3	-1.4	6.3	62.6	26.2	8.2	3.0
	FP	1448	4.2	8.1	47.4	-.7	5.6	71.7	21.5	5.5	1.3
	LCL	1418	3.7	8.1	54.0	-.9	4.6	76.7	19.8	3.1	.4
SOUTHERN											
	06Z										
	NMC	3090	4.2	7.0	40.0	.3	6.4	72.0	21.4	4.3	1.3
	FP	3253	3.5	7.0	50.0	.0	5.3	78.9	17.2	3.0	.9
	LCL	3195	3.2	7.1	54.6	.2	4.5	82.3	14.9	2.3	.5
	18Z										
	NMC	3075	4.8	8.2	41.7	-.9	6.4	64.2	27.4	7.2	1.2
	FP	3253	3.3	8.2	54.1	-.3	4.3	76.0	20.4	3.2	.4
	LCL	3195	3.5	8.2	57.1	-.9	4.4	79.1	17.9	2.5	.5
CENTRAL											
	06Z										
	NMC	1331	5.3	8.1	35.3	.5	7.3	61.1	27.6	7.7	3.6
	FP	1991	4.4	8.1	46.1	.0	6.3	69.5	23.5	5.4	1.6
	LCL	1990	4.1	8.1	50.1	.1	5.6	74.8	19.4	4.6	1.2
	18Z										
	NMC	1845	5.8	8.2	29.3	-2.5	7.3	55.3	23.9	11.3	3.4
	FP	1933	4.6	8.2	43.3	-1.5	6.3	65.3	27.2	6.0	.9
	LCL	1988	4.3	8.2	47.3	-1.7	7.8	69.8	24.0	4.8	1.4
WESTERN											
	06Z										
	NMC	2582	4.2	5.5	23.1	1.0	8.0	73.2	21.0	5.3	1.6
	FP	2713	3.6	5.5	34.6	.2	6.7	78.6	17.8	3.1	.5
	LCL	2715	3.3	5.5	39.1	.1	5.9	81.2	15.9	2.6	.3
	18Z										
	NMC	2560	4.3	5.9	13.5	-2.6	3.5	65.5	25.4	6.8	2.3
	FP	2713	3.9	5.9	33.7	-1.6	6.8	74.6	20.3	4.3	.8
	LCL	2715	3.7	5.9	37.1	-1.5	6.2	76.9	18.7	3.8	.6
ALASKAN											
	06Z										
	NMC										
	FP	723	5.3	7.9	33.1	.3	8.4	64.2	23.2	8.3	4.3
	LCL	724	4.4	7.8	44.5	-.0	6.5	71.5	20.5	5.9	2.1
	18Z										
	NMC										
	FP	723	4.8	6.1	21.8	.9	9.8	68.2	22.0	6.2	3.6
	LCL	724	3.9	6.1	37.3	.9	7.6	74.6	20.0	3.7	1.7
NATIONAL											
	06Z										
	NMC	8953	4.5	6.8	34.3	.7	6.3	69.3	22.9	5.8	2.0
	FP	9410	3.8	6.8	45.0	.2	5.8	76.5	19.0	3.6	.9
	LCL	9319	3.4	6.8	49.7	.1	5.0	80.1	16.5	2.5	.6
	18Z										
	NMC	8872	5.1	7.5	32.5	-1.8	7.2	62.6	26.9	8.2	2.3
	FP	9407	4.1	7.5	45.9	-1.2	5.7	72.8	22.0	4.5	.7
	LCL	9316	3.8	7.5	49.8	-1.2	5.6	76.1	19.8	3.4	.7

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MAY 1970 - OCT 1970 2ND PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1452	4.4	5.3	24.3	-1.3	5.9	69.9	23.7	5.6	.3
	FP	1471	3.7	5.8	36.5	-1.1	8.8	77.5	18.6	3.7	.2
	LCL	1441	3.5	5.8	39.1	-1.0	5.1	79.0	18.0	2.6	.4
	18Z										
	NMC	1418	4.6	5.7	19.9	-.1	6.7	67.1	25.5	6.2	1.2
	FP	1471	4.3	5.7	25.6	.2	7.2	71.2	21.4	6.0	1.4
	LCL	1440	4.0	5.7	29.6	.3	7.0	74.5	19.2	5.2	1.1
SOUTHERN											
	06Z										
	NMC	3242	3.1	3.1	1.6	-.6	8.3	83.8	13.8	2.0	.4
	FP	3310	2.6	3.1	17.4	-.3	7.2	88.6	10.0	1.1	.3
	LCL	3311	2.4	3.1	24.2	-.2	6.6	90.7	8.2	1.0	.1
	18Z										
	NMC	3110	3.2	3.2	2.0	-.2	8.5	83.3	13.6	1.7	.3
	FP	3302	2.6	3.2	19.2	-.1	7.6	88.6	9.2	1.9	.3
	LCL	3311	2.5	3.2	22.4	.5	7.7	89.1	8.8	1.7	.4
CENTRAL											
	06Z										
	NMC	1923	4.0	5.7	29.7	-.7	6.1	73.1	22.9	3.7	.2
	FP	1988	3.7	5.7	34.3	-.3	6.1	75.4	21.8	2.6	.2
	LCL	2023	3.8	5.6	32.3	-.8	6.8	75.4	21.3	2.8	.5
	18Z										
	NMC	1817	4.3	6.4	23.1	-.2	7.0	64.2	27.1	6.6	2.1
	FP	1982	4.5	6.4	30.3	-.5	7.1	70.6	22.0	6.0	1.4
	LCL	2023	4.4	6.3	30.3	-.0	7.5	70.8	22.1	5.1	2.0
WESTERN											
	06Z										
	NMC	2684	3.8	4.4	14.4	-1.4	6.3	75.3	19.3	3.4	.7
	FP	2754	3.6	4.4	19.7	-1.2	7.1	78.5	13.1	2.8	.6
	LCL	2757	3.3	4.4	24.3	-.9	7.6	81.1	15.2	3.0	.7
	18Z										
	NMC	2553	4.3	5.0	14.9	.2	7.3	70.7	23.6	4.7	.9
	FP	2740	3.6	5.0	27.3	.0	7.2	78.7	17.4	3.3	.6
	LCL	2757	3.6	5.1	29.3	.2	7.8	79.2	16.2	3.5	1.1
ALASKAN											
	06Z										
	NMC										
	FP	701	4.4	4.5	1.1	-.9	10.1	70.5	23.1	5.0	1.4
	LCL	705	4.0	4.5	10.6	.1	10.0	73.6	20.9	4.6	.9
	18Z										
	NMC										
	FP	701	3.8	4.2	9.2	.2	7.7	76.8	18.4	3.7	1.1
	LCL	705	3.8	4.2	9.9	-.1	8.7	75.9	19.7	3.7	.7
NATIONAL											
	06Z										
	NMC	9301	3.7	4.4	17.5	-1.0	6.6	77.2	19.0	3.3	.5
	FP	9523	3.3	4.4	26.4	-.7	7.3	81.2	16.1	2.2	.3
	LCL	9532	3.1	4.4	29.4	-.6	6.5	82.9	14.5	2.2	.4
	18Z										
	NMC	8838	4.1	4.8	15.2	-.1	7.2	73.4	21.1	4.3	1.2
	FP	9495	3.5	4.8	25.9	-.1	7.2	79.3	16.1	3.8	.8
	LCL	9531	3.5	4.8	28.0	.2	7.5	80.1	15.3	3.5	1.1

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NOV 1970 - APR 1971 2ND PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1399	5.7	8.1	29.8	-1.4	6.3	57.3	23.0	10.5	3.7
	FP	1443	5.2	8.1	35.9	-.2	6.5	62.7	26.3	7.5	3.5
	LCL	1419	4.9	8.1	39.6	-.5	6.2	65.3	26.0	5.5	3.2
	18Z										
	NMC	1391	5.0	7.1	29.6	1.3	6.6	63.3	26.2	8.3	2.2
	FP	1443	4.6	7.1	34.7	.2	6.0	66.1	26.3	5.9	1.2
	LCL	1418	4.3	7.1	39.7	-.1	8.9	70.6	24.0	4.7	.7
SOUTHERN											
	06Z										
	NMC	3090	5.2	8.2	36.3	-.7	6.5	53.9	28.6	9.6	1.3
	FP	3258	4.7	8.2	42.9	-.3	6.2	66.8	25.0	6.2	2.0
	LCL	3194	4.3	8.2	46.9	-.4	6.8	69.9	23.5	5.3	1.3
	18Z										
	NMC	3075	5.0	7.1	29.7	-.7	6.7	63.4	27.1	7.3	2.2
	FP	3253	4.1	7.1	42.6	-.7	5.3	72.8	20.3	4.6	1.7
	LCL	3195	3.9	7.1	44.9	-.1	5.6	75.1	18.7	4.8	1.4
CENTRAL											
	06Z										
	NMC	1884	6.2	8.2	24.6	-2.5	7.3	52.8	28.3	14.0	4.3
	FP	1991	5.3	8.2	34.8	-1.4	7.1	60.4	27.2	9.9	2.5
	LCL	1982	5.3	8.2	35.7	-1.5	9.3	60.8	25.9	9.3	3.0
	18Z										
	NMC	1846	6.2	8.2	23.7	-.5	8.0	53.0	29.4	12.6	5.0
	FP	1991	5.3	8.2	34.7	-.6	7.7	61.4	25.8	9.3	3.5
	LCL	1979	5.1	8.1	37.5	-.3	9.1	64.0	24.4	7.9	3.7
WESTERN											
	06Z										
	NMC	2583	5.2	5.9	11.1	-2.9	7.9	61.1	26.9	9.2	2.7
	FP	2713	4.6	5.9	22.5	-2.0	7.5	67.3	24.4	6.4	1.9
	LCL	2715	4.4	5.9	26.0	-1.5	7.8	71.4	21.0	5.6	2.0
	18Z										
	NMC	2562	4.8	5.6	13.1	.1	8.0	65.5	25.2	7.1	2.1
	FP	2713	4.2	5.6	24.9	-.4	7.7	72.6	21.3	4.7	1.4
	LCL	2714	4.1	5.5	25.5	-.4	10.2	73.4	20.9	4.3	1.4
ALASKAN											
	06Z										
	NMC										
	FP	723	5.6	6.1	9.5	-.3	12.0	60.9	26.6	7.4	5.1
	LCL	723	5.2	6.1	15.0	.2	11.7	66.0	21.0	8.0	5.0
	18Z										
	NMC										
	FP	723	7.2	7.8	8.0	2.2	12.2	52.3	23.9	12.3	11.5
	LCL	724	6.5	7.8	17.2	1.6	11.1	55.3	25.4	10.9	8.4
NATIONAL											
	06Z										
	NMC	8956	5.5	7.5	26.8	-1.8	7.4	58.4	28.1	10.6	2.9
	FP	9410	4.9	7.5	35.2	-1.0	6.7	64.9	25.5	7.3	2.3
	LCL	9310	4.6	7.5	38.3	-1.0	7.5	67.7	23.9	6.2	2.2
	18Z										
	NMC	8874	5.2	6.9	24.4	-.1	7.3	61.9	26.9	8.5	2.8
	FP	9410	4.5	6.9	35.2	-.4	6.3	69.3	22.9	5.9	1.9
	LCL	9306	4.3	6.9	37.7	-.3	8.0	71.5	21.4	5.3	1.3

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MAY 1970 - OCT 1970 3RD PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1433	4.7	5.7	18.0	-.0	6.8	65.7	25.3	6.7	1.7
	FP	1471	4.7	5.7	17.3	.5	7.5	67.2	23.3	7.1	2.4
	LCL	1440	4.6	5.7	19.5	.4	7.6	68.4	22.8	6.9	1.9
	18Z										
	NMC	1419	4.3	5.7	16.5	-2.4	6.3	65.3	26.3	6.3	1.0
	FP	1472	4.3	5.7	25.7	-1.0	6.0	70.3	23.8	5.0	.9
	LCL	1440	4.2	5.7	26.4	-1.3	6.0	70.1	24.6	4.6	.7
SOUTHERN											
	06Z										
	NMC	3206	3.2	3.2	-.0	.1	8.7	83.9	13.2	2.2	.7
	FP	3307	3.0	3.2	7.5	.2	8.2	85.3	11.8	2.0	.9
	LCL	3310	3.0	3.2	7.7	.6	8.2	85.5	11.3	2.6	.6
	18Z										
	NMC	3118	3.3	3.1	-5.2	-.3	8.8	82.3	14.3	2.2	.6
	FP	3305	2.3	3.1	6.0	-.5	7.0	85.4	12.2	2.1	.3
	LCL	3311	3.0	3.1	2.7	-.3	8.3	84.4	12.9	2.2	.5
CENTRAL											
	06Z										
	NMC	1898	5.6	6.4	12.8	-.6	7.5	57.6	33.7	3.5	3.2
	FP	1986	5.1	6.4	20.0	-.3	7.4	61.5	28.2	8.0	2.3
	LCL	2022	5.1	6.3	19.5	.1	7.9	62.4	26.7	8.1	2.3
	18Z										
	NMC	1823	4.3	5.6	23.3	-.3	6.8	70.0	23.3	6.0	.7
	FP	1945	4.3	5.6	23.4	-1.0	6.8	69.9	24.1	5.0	1.0
	LCL	2023	4.5	5.6	19.8	-1.2	7.2	68.0	25.6	5.4	1.0
WESTERN											
	06Z										
	NMC	2650	4.6	5.0	7.2	.6	8.0	68.6	23.6	6.3	1.5
	FP	2739	4.3	5.0	14.1	.4	8.4	71.7	21.4	5.1	1.8
	LCL	2757	4.4	5.1	13.7	.4	8.3	71.6	20.3	5.3	2.3
	18Z										
	NMC	2567	4.2	4.4	4.4	-2.0	7.5	71.4	22.3	5.4	.9
	FP	2755	3.9	4.4	12.9	-1.7	7.3	75.0	20.0	4.2	.8
	LCL	2757	3.9	4.4	12.1	-1.3	8.0	75.2	19.6	4.4	.3
ALASKAN											
	06Z										
	NMC										
	FP	701	4.3	4.2	-2.9	-.2	7.6	72.5	20.0	5.5	2.0
	LCL	705	4.1	4.2	2.4	-.1	7.3	72.5	21.7	4.5	1.3
	18Z										
	NMC										
	FP	701	4.8	4.5	-6.3	-.6	8.8	66.0	25.4	6.3	2.3
	LCL	705	4.6	4.5	-1.7	-.2	9.3	67.0	25.4	5.2	2.4
NATIONAL											
	06Z										
	NMC	9187	4.3	4.8	9.1	.1	7.7	71.2	21.6	5.6	1.6
	FP	9503	4.1	4.3	14.3	.2	7.3	73.6	19.3	4.9	1.7
	LCL	9529	4.1	4.8	15.0	.4	8.2	74.0	19.1	5.2	1.7
	18Z										
	NMC	8927	4.0	4.4	9.5	-1.5	7.1	73.9	20.6	4.6	.8
	FP	9517	3.7	4.4	16.6	-1.1	7.9	76.8	13.7	3.3	.7
	LCL	9531	3.3	4.4	14.7	-.9	7.3	76.1	19.3	3.9	.7

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TEMPERATURE ERROR CLASSES
T1 = 0 - 5
T2 = 6 - 10
T3 = 11 - 15
T4 = GREATER THAN 15 DEGREES

NOV 1970 - APR 1971 3RD PERIOD TEMPERATURE FORECASTING PERFORMANCE WITHIN ECHELONS

		N	TE	TV	TC	TG	TM	T1	T2	T3	T4
EASTERN											
	06Z										
	NMC	1400	5.4	7.1	23.7	1.9	7.1	53.6	23.9	9.6	2.9
	FP	1448	5.0	7.1	29.5	.8	6.3	63.9	26.0	7.7	2.4
	LCL	1419	4.7	7.1	34.2	.2	6.0	66.9	23.7	7.4	2.0
	18Z										
	NMC	1337	6.0	8.2	26.5	-1.1	7.4	55.1	29.6	10.2	5.1
	FP	1447	5.7	8.2	29.5	-.2	6.3	57.3	29.0	8.2	5.0
	LCL	1419	5.6	8.1	30.7	-.3	6.4	58.5	27.3	9.2	5.0
SOUTHERN											
	06Z										
	NMC	3031	5.1	7.1	27.4	.5	7.3	63.2	24.9	8.5	3.5
	FP	3256	4.7	7.1	33.1	-.2	6.7	66.8	23.4	7.0	2.9
	LCL	3195	4.6	7.1	34.9	-.1	6.5	68.2	22.4	7.2	2.2
	18Z										
	NMC	3057	5.6	8.1	30.8	-.4	7.4	57.4	23.2	11.1	3.3
	FP	3258	5.2	8.1	35.6	-.5	6.9	61.5	26.3	9.5	2.7
	LCL	3195	5.2	8.1	35.8	-.5	7.1	61.5	26.8	8.9	2.8
CENTRAL											
	06Z										
	NMC	1886	6.7	8.2	18.3	.4	8.6	50.5	23.7	13.0	6.8
	FP	1991	6.1	8.2	25.4	-.2	8.3	54.3	28.7	11.3	5.7
	LCL	1981	6.0	8.2	26.3	-.2	8.2	55.9	23.1	9.6	6.4
	18Z										
	NMC	1333	6.3	8.1	16.5	-3.4	7.9	43.1	23.8	15.0	7.1
	FP	1991	5.1	8.1	24.6	-2.3	7.6	52.9	30.8	12.0	4.3
	LCL	1981	5.1	8.2	25.0	-1.8	8.1	53.1	30.2	11.6	5.1
WESTERN											
	06Z										
	NMC	2588	5.0	5.6	10.0	.4	8.4	64.5	25.0	7.7	2.8
	FP	2713	4.9	5.6	12.4	-.1	8.4	65.5	24.8	6.8	2.9
	LCL	2715	4.9	5.5	10.6	-.3	8.7	65.7	24.2	7.1	3.0
	18Z										
	NMC	2550	5.9	5.8	-2.5	-3.9	8.5	55.8	27.5	11.6	5.0
	FP	2712	5.2	5.8	10.2	-2.3	8.1	62.1	25.9	8.7	3.3
	LCL	2714	5.2	5.8	10.4	-2.0	8.6	63.8	24.5	8.3	3.4
ALASKAN											
	06Z										
	NMC										
	FP	723	8.4	7.8	-7.1	1.4	13.6	45.0	25.4	14.5	15.1
	LCL	724	8.1	7.3	-3.5	1.7	13.5	44.3	27.5	14.8	13.4
	18Z										
	NMC										
	FP	723	7.0	6.2	-13.1	.9	13.7	51.5	26.7	12.0	9.8
	LCL	724	6.5	6.2	-4.4	1.0	12.9	55.5	25.0	10.4	9.1
NATIONAL											
	06Z										
	NMC	8965	5.5	6.9	20.5	.7	7.8	60.2	26.6	9.4	3.9
	FP	9408	5.1	6.9	25.7	-.0	7.4	63.3	25.3	8.0	3.4
	LCL	9310	5.0	6.9	27.0	-.1	7.3	64.7	24.3	7.7	3.3
	18Z										
	NMC	8832	6.0	7.5	13.4	-2.1	7.7	54.8	28.4	11.9	4.9
	FP	9408	5.5	7.5	26.4	-1.5	7.3	59.3	27.5	9.6	3.6
	LCL	9309	5.5	7.4	26.7	-1.2	8.0	59.9	26.9	9.4	3.8

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(Continued from inside front cover)

WBTM FCST 11 Report on Weather Bureau Forecast Performance 1967-1968 and Comparison With Previous Years. Charles F. Roberts, John M. Porter, and Geraldine F. Cobb, March 1969. (PB-184 366)

WBTM FCST 12 Severe Local Storm Occurrences 1955-1967. Staff, SELS Unit, NSSFC, Maurice E. Pautz, Editor, September 1969. (PB-187 761)

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WBTM FCST 15 Weather Bureau Forecast Verification Scores 1968-69 and Some Performance Trends From 1966. Robert G. Derouin and Geraldine F. Cobb, May 1970. (PB-192 949)

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